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UNIVERSITY OF MINNESOTA.

THE

CALENDAR

FOR THE YEAR

1874-5.

THE UNIVERSITY OF MINNESOTA.

THE

CALENDAR

FOR THE YEAR

1874-5.

UNIV. OF MIN.

THE
UNIVERSITY OF MINNESOTA.

THE
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FOR THE YEAR
1874-5.

MINNEAPOLIS.

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1898.

THE ANNUAL CALENDAR published by authority of the Board of Regents, is a record of the condition and membership of the University for the given year, and contains also the necessary announcements for the University year following. The present issue, being the first, contains, in addition to the membership for the year, the names of all officers and students who have at any time been connected with the institution. The publication having been unavoidably delayed, a portion of the Almanac and Calendar is omitted.

JOHNSON & SMITH, PRINTERS,
MINNEAPOLIS, MINN.

ALMANAC AND CALENDAR.

APRIL, 1875.

1 Thursday,
2 Friday.
3 Saturday.
4 **Sunday,**
5 Monday,
6 Tuesday, THIRD TERM BEGINS. Gen-
7 Wednesday, [eral Faculty meet 9 A. M.
8 Thursday,
9 Friday,
10 Saturday.
11 **Sunday,**
12 Monday, Literary Societies meet.
13 Tuesday, [Arts meet.
14 Wednesday, Faculty of Sci. Lit. and
15 Thursday, Faculty of Mechanic Arts meet.
16 Friday,
17 Saturday.
18 **Sunday,**
19 Monday,
20 Tuesday, Battalion Drills begin.
21 Wednesday, General Faculty meet.
22 Thursday,
23 Friday,
24 Saturday.
25 **Sunday,**
26 Monday,
27 Tuesday,
28 Wednesday,
29 Thursday,
30 Friday.

MAY, 1875.

1 Saturday.
2 **Sunday,**
3 Monday,
4 Tuesday,
5 Wednesday, General Faculty meet.
6 Thursday,
7 Friday, } Special Examinations,
8 Saturday. } Collegiate Department.
9 **Sunday,**
10 Monday,
11 Tuesday,
12 Wednesday,
13 Thursday,
14 Friday,
15 Saturday.
16 **Sunday,**
17 Monday,
18 Tuesday,
19 Wednesday, General Faculty meet.
20 Thursday,
21 Friday,
22 Saturday.
23 **Sunday,**
24 Monday,
25 Tuesday,
26 Wednesday,
27 Thursday,
28 Friday,
29 Saturday.
30 **Sunday,**
31 Monday.

JUNE, 1875.

1 Tuesday,
2 Wednesday, General Faculty meet.
3 Thursday,
4 Friday, } Special Examinations,
5 Saturday. { Collegiate Department.
6 **Sunday.**
7 Monday,
8 Tuesday,
9 Wednesday,
10 Thursday,
11 Friday,
12 Saturday.
13 **Sunday.**
14 Monday,
15 Tuesday,
16 Wednesday, General Faculty meet.
17 Thursday, Faculty of Mechanic Arts meet.
18 Friday,
19 Saturday. General Examinations
20 **Sunday,** [begin.
21 Monday,
22 Tuesday, Examinations continue.
23 Wednesday, Examinations close.
24 Thursday, THE COMMENCEMENT.
25 Friday, The Vacation begins and
26 Saturday. [continues till Sept. 21.
27 **Sunday,**
28 Monday,
29 Tuesday,
30 Wednesday.

July and August omitted.

SEPTEMBER, 1875.

1 Wednesday,
2 Thursday,
3 Friday,
4 Saturday.
5 **Sunday,**
6 Monday,
7 Tuesday,
8 Wednesday,
9 Thursday,
10 Friday,
11 Saturday.
12 **Sunday,**
13 Monday,
14 Tuesday,
15 Wednesday,
16 Thursday,
17 Friday,
18 Saturday.
19 **Sunday,**
20 Monday, [**meet 9 a. m.**
21 Tuesday, **Year 1875 '6 begins. Gen. Faculty**
22 Wednesday, **Entrance Examinations begin.**
23 Thursday, **Ent. Examinations continue.**
24 Friday, **Examinations for Advanced Rank.**
25 Saturday. Recitations begin.
26 **Sunday,**
27 Monday, Literary Societies meet.
28 Tuesday, Faculty, Coll. of Agr. meet.
29 Wednesday, Fac. Sci. Lit. and Arts meet.
30 Thursday. Faculty, Mechanic Arts meet.

OCTOBER, 1875.

1 Friday,
2 Saturday.
3 **Sunday,**
4 Monday,
5 Tuesday, Military Exercises begin.
6 Wednesday, General Faculty meet.
7 Thursday,
8 Friday,
9 Saturday.
10 **Sunday,**
11 Monday,
12 Tuesday,
13 Wednesday, State Constitution adopted, 1857.
14 Thursday,
15 Friday,
16 Saturday.
17 **Sunday,**
18 Monday,
19 Tuesday,
20 Wednesday, General Faculty meet.
21 Thursday,
22 Friday,
23 Saturday.
24 **Sunday,**
25 Monday,
26 Tuesday,
27 Wednesday,
28 Thursday,
29 Friday, Special Examinations,
30 Saturday, Collegiate Department.
31 **Sunday,**

NOVEMBER, 1875.

1 Monday,
2 Tuesday,
3 Wednesday, General Faculty meet.
4 Thursday,
5 Friday,
6 Saturday.
7 **Sunday,**
8 Monday,
9 Tuesday,
10 Wednesday,
11 Thursday,
12 Friday,
13 Saturday.
14 **Sunday,**
15 Monday,
16 Tuesday,
17 Wednesday, General Faculty meet.
18 Thursday,
19 Friday,
20 Saturday.
21 **Sunday,**
22 Monday,
23 Tuesday,
24 Wednesday,
25 Thursday, **National Thanksgiving-Day.**
26 Friday, Special Examinations,
27 Saturday. Collegiate Department.
28 **Sunday,**
29 Monday,
30 Tuesday.

DECEMBER, 1875.

1 Wednesday, General Faculty meet.
2 Thursday,
3 Friday,
4 Saturday.
5 **Sunday,**
6 Monday,
7 Tuesday,
8 Wednesday,
9 Thursday,
10 Friday,
11 Saturday.
12 **Sunday,**
13 Monday,
14 Tuesday, ANNUAL MEETING of Board
15 Wednesday, [of Regents.
16 Thursday, Faculty of Mechanic Arts meet
17 Friday,
18 Saturday. **General Examinations begin.**
19 **Sunday,**
20 Monday,
21 Tuesday, Examinations continue.
22 Wednesday, Examinations close.
23 Thursday, **First Term closes. General**
24 Friday, **[Faculty meet 2:30 p. m. Recess**
25 Saturday. **[till January 4, 1876.**
26 **Sunday,**
27 Monday,
28 Tuesday,
29 Wednesday,
30 Thursday,
31 Friday.

JANUARY, 1876.

1 Saturday, New Year's Day.
2 **Sunday.**
3 Monday,
4 Tuesday, SECOND TERM BEGINS. Gen.
5 Wednesday, [Faculty meet. at 9 A. M.
6 Thursday,
7 Friday,
8 Saturday,
9 **Sunday,**
10 Monday, Literary Societies meet.
11 Tuesday, Faculty, Coll. Agr. meet.
12 Wednesday, Fac Sci. Lit. and Arts meet.
13 Thursday, Faculty Mechanic Arts meet.
14 Friday,
15 Saturday,
16 **Sunday,**
17 Monday,
18 Tuesday,
19 Wednesday, General Faculty meet.
20 Thursday,
21 Friday,
22 Saturday,
23 **Sunday,**
24 Monday,
25 Tuesday,
26 Wednesday,
27 Thursday,
28 Friday,
29 Saturday,
30 **Sunday,**
31 Monday.

THE BOARD OF REGENTS.

The Hon. HENRY H. SIBLEY, St. Paul, - - -	1876.
The Hon. CHARLES S. BRYANT, St. Peter, - -	"
The Hon. JOHN S. PILLSBURY, Minneapolis, -	1877
The Hon. PARIS GIBSON, M.A., Minneapolis, -	"
The Hon. MORRIS LAMPREY, M.A., St. Paul, -	"
The Hon. WILLIAM R. MARSHALL, St. Paul, -	1878.
The Hon. A. A. HARWOOD, Austin, - - - -	"

AND EX OFFICIIS,

The Governor of the State,

The Hon. CUSHMAN K. DAVIS M.A., St. Paul.

The State Superintendent of Public Instruction,

The Rev. D. BURT, M.A., St. Paul.

The President of the University,

WILLIAM W. FOLWELL, M. A., Minneapolis.

OFFICERS.

Hon. J. S. PILLSBURY, *President.*

Hon. PARIS GIBSON, *Recording Secretary and Treasurer.*

WILLIAM W. FOLWELL, *Corresponding Secretary.*

STANDING COMMITTEES.

Executive Committee.—Regents PILLSBURY, GIBSON, and LAMPREY.

Committee on Faculty and Courses of Study.—Regents SIBLEY, MARSHALL, HARWOOD, BRYANT, and BURT.

Committee on Agricultural College.—Regents MARSHALL, HARWOOD, and BRYANT.

Committee on Library.—Regents GIBSON, BURT, and DAVIS.

Auditing Committee.—Regents SIBLEY, MARSHALL, and LAMPREY.

MEETINGS.

The Annual Meeting takes place on the second Tuesday in December; other stated meetings occur on the Tuesday in the Spring Recess, and on Commencement Day.

OFFICERS OF INSTRUCTION.

William W. Folwell, M.A., President, *502 5th St. S. E.*
Instructor in Political Economy and Librarian.

G. Campbell, M.A., B.D., Vice President, *1319 4th St. S. E.*
Professor of Mental and Moral Philosophy.

Versal J. Walker, M.A., *1003 6th St. S. E.*
Professor of the Latin Language and Literature.

Jabez Brooks, M.A., D.D., *1706 Laurel Avenue, W. D.*
Professor of the Greek Language and Literature.

Edwin J. Thompson, M.A., *813 3d St. S. E.*
Professor of Mathematics and Astronomy.

Eli L. Huggins, U. S. A., *902 3d St. S. E.*
Professor of Military Science, and Instructor in French.

Newton H. Winchell, M.A., *State Geologist.* *State St. E. D.*
Professor of Geology and Mineralogy.

Charles N. Hewitt, M.D., *Red Wing.*
Non-Resident Professor of Public Health.

MITCHELL D. RHAME, M.A., *1402 4th St. S. E.*
Professor of Civil and Mechanical Engineering.

STEPHEN F. PECKHAM, M.A., *121 Pleasant St., E. D.*
Professor of Chemistry and Physics.

JOHN G. MOORE, B.A., *814 5th St. S. E.*
Professor of the German Language and Literature.

MOSES MARSTON, M.A., *702 3d St. S. E.*
Professor of the English Language and Literature.

HELEN SUTHERLAND, M.A., *Preceptress.* *719 3d St. S. E.,*
Assistant Professor of Latin.

RICHARD W. LAING, LL.D., *1320 5th St. S. E.*
Assistant Professor, in charge of History and Elocution.

CHARLES Y. LACY, B. Agr. *204 4th St. S. E.*
Assistant Professor, in charge of Theory and Practice of Agriculture.

LOUIS W. PECK, *121 Pleasant St., E. D.*
Instructor in Physics and Drawing.

OTHER OFFICERS.

WILLIAM T. SCOTT, *Farm Superintendent,* *22 Prospect St., E. D.*

JOHN S. CLARKE, *First Assistant Librarian,* *Room 25.*

GRAHAM C. CAMPBELL, *Second Assistant Librarian,* *Room 25.*

ANDREW R. CASS, *Janitor,* *Room 26.*

FRED C. BOWMAN, *Carpenter,* *Room 41.*

MARSHALL F. HULET, *Fireman,* *Room 12.*

FACULTIES OF THE UNIVERSITY.

THE GENERAL FACULTY.

The PRESIDENT; Professors CAMPBELL (*Secretary*,) WALKER, BROOKS, THOMPSON, HUGGINS, WINCHELL, RHAME, PECKHAM, MOORE, MARSTON; Assistant Professors LAING, and LACY.

THE SPECIAL FACULTIES.

I. Of the College of Science, Literature, and the Arts:

The PRESIDENT; Professors CAMPBELL, WALKER, BROOKS, THOMPSON, (*Secretary*), HUGGINS, WINCHELL, PECKHAM, MOORE, and MARSTON; Assistant Professor, LAING.

II. Of the College of Mechanic Arts:

The PRESIDENT; Professors THOMPSON, WINCHELL, RHAME, (*Secretary*), PECKHAM, MARSTON.

III. Of the College of Agriculture:

The PRESIDENT; Professors THOMPSON, HUGGINS, WINCHELL, RHAME, PECKHAM, MOORE, MARSTON; Assistant Professors LAING and LACY (*Secretary*).

GRADUATES.

BACHELORS IN ARTS.

Warren Clarke Eustis,	Hennepin Co.	1873.
Henry Martyn Williamson,	Nicollet "	"
George Edwin Ricker,	Hennepin "	1874.
Andrew Russell Cass,	Canada.	1875.
Julius Elliott Miner,	Goodhue "	"
Simon Peter Starritt,	Wright "	"

BACHELORS IN SCIENCE.

Edward Chatfield,	Fillmore Co.	1874.
Clark Stewart,	Hennepin "	1875.

BACHELORS IN LITERATURE.

Helen Mar Ely,	Winona Co.	1875.

BACHELORS IN CIVIL ENGINEERING.

Henry Clay Leonard,	Fillmore Co.	1875.
Samuel Addison Rank,	" "	"

STUDENTS.

ALPHABETICAL ROLL, 1874-5.

Henry Clay Aldrich,	Minneapolis,	W. D.	Scientific, 3.
Enos Stevens Alexander,	Urbana, Ill.		Scientific, 2.
Walter Barrett,	Wasioja.		Scientific, 2.
Lyman Ruggles Barto,	Sauk Rapids.		Scientific, 2.
William Lincoln Bassett,	Minneapolis,	W. D.	Scientific, Jun.
Francis Collins Berry,	"	E. D.	Scientific, 4.
Frederic Gerald Berry,	Brooklyn.		Scientific, 4.
Covert De Bevoise Bennett,	Waseca.		Scientific, 4.
Fred Capin Bowman,	Litchfield.		Scientific, 3.
Edward Jerome Boylston,	Pleasantville, Pa.		Scientific, 4.
William Proctor Brackett,	Minneapolis,	W. D.	Scientific, 3.
Victoria Rutledge Bragdon,	Brooklyn.		Scientific, 4.
Alberta Amelia Brockway,	Minneapolis,	E. D.	Scientific, 3.
David Denslow Brooks,	"	W. D.	Scientific, 3.
Adin Pease Brooks,	"	"	Classical, 4.
Charles Irwin Brown,	Mankato.		Scientific, Jun.
Julian Clarence Bryant,	St. Peter.		Classical, 2.
James Francis Bryant,	St. Peter.		Classical, 4.

George Edgar Bryant,	Elgin.	Scientific, 3.
Catherine Amelia Burnes,	Minnetonka.	Scientific, 3.
Diana Burnes,	Minnetonka.	Scientific, 3.
Wilhelm Busch,	Richfield.	Classical, 2.
Charles Spencer Bushnell,	Minneapolis, E. D.	Scientific, 2.
Frederick Ware Buswell,	Afton.	Scientific, 3.
Martha Appleton Butler,	Franklin, Mo.	Scientific, Jun.
Charles Morey Butts,	Plainview.	Scientific, 2.
Graham Cox Campbell,	Mid. Stewiacke, N.S.	Classical, 1.
Margaret Agnes Campbell,	" " "	Modern, 4.
Matilda Jane Campbell,	Machias, Me.	Modern, 1.
Andrew Russell Cass,	L'Original, Canada.	Classical, Sen.
Francis Asbury Chamberlain,	Red Wing.	Modern, 2.
William Eugene Chamberlain,	Minneapolis, E. D.	Scientific, 4.
Clara Belle Childs,	Prescott, Wis.	Special, 1.
Joel Nathaniel Childs,	Prescott, Wis.	Classical, 1.
Frederick Hoag Clarke,	Richfield.	Scientific, 3.
John Sinclair Clarke,	Rushford,	Classical, Jun.
Elizabeth Clough,	Austin.	Modern, 4.
Warren Eames Colburn,	Preston.	Modern, 4.
Adoniram Judson Cole,	Minneapolis, W. D.	Classical, 4.
Charles Cole,	Chatfield.	Modern, 3.
John Franklin Collom,	Minneapolis, W. D.	Scientific, 3.
Thomas H. B. Columbia,	Winona.	Classical, 3.
John James Colwell,	Newport.	Classical, 2.
Ellen Louise Coolbaugh,	Minneapolis, E. D.	Modern, 4.

Ellen Cooney,	Afton.	Modern, 3,
Thomas Cooney,	"	Scientific, 4.
Charles Arthur Couillard,	Richfield.	Scientific, 2.
Fred Leslie Couillard,	"	Scientific, 2.
Alice Cowell,	Newport.	Modern, 3.
Robert Henry Crafts,	Minneapolis, W. D.	Scientific, Jun.
Ebenezer Currie,	Rushford,	Classical, 1.
William Andrew Currie,	"	Scientific, 4.
Elizabeth Dare,	Elk River.	Special, 1.
Raymond Harris Day,	Castle Rock.	Scientific, 3.
Benjamin Franklin Davis,	Glen Roy, Iowa.	Scientific, 4.
William Sanborn Dawley,	Lake City.	Scientific, 4.
Arthur Eastman,	Minneapolis, E. D.	Scientific, 3.
Helen Mar Ely,	Winona.	Modern, Sen.
Frank Eustis,	Saint Anthony.	Classical, 1.
Fred Eustis,	" "	Classical, 1.
John Bradley Eustis,	" "	Classical, 1.
John Hersey Fairfield,	Saco, Me.	Scientific, 4.
Fred Hascal Foster,	Minneapolis, W. D.	Classical, 2.
Owen Foster,	" "	Scientific, 4.
Henry Wright Foster,	" "	Scientific, 4.
William Foster,	" "	Scientific, 4.
Viola Fuller,	" E. D.	Modern, 2.
Pierce Power Furber,	Cottage Grove,	Civ. Eng. Jun.
Nettie Getchell,	Minneapolis, E. D.	Scientific, 2.

Caroline Frances Gilbert,	Afton,	Scientific, 2.
Lewis Singer Gillette,	Niles, Michigan.	Civ. Eng. Jun.
Henry Slade Goff,	Mankato.	Modern, 2.
Calvin Gibson Goodrich,	Minneapolis, W. D.	Scientific, 3.
Herbert Goodrich,	Minneapolis, Tp.	Scientific, 4.
Ole Granum,	Mount Vernon, Wis.	Scientific, 4.
Horace Burnham Greeley,	Perch Lake.	Scientific, 4.
Charles Greer,	Lake City.	Scientific, 3.
Frank Sessions Griswold,	Minneapolis, E. D.	Elm. Agr., 4.
James Grœnendyke,	LaFayette, Ind.	Scientific, 4.
Claus Gunderson,	Alexandria.	Scientific, 4.
Francis Wayland Hall,	Cutchogue, L. I.	Scientific, 3.
Abbie White Hall,	Minneapolis, E. D.	Scientific, 2.
Florence Elizabeth Hall,	Hudson, Wis.	Scientific, 4.
Carrie Addie Hayes,	Minneapolis, E. D.	Scientific, 3.
Nellie Hayes,	" "	Scientific, 3.
Eugene Alvin Hendrickson,	St. Paul.	Civ. Eng., Jun.
Albert Preston Hendrickson,	St. Paul.	Scientific, 1.
John Douglass Henry,	Dassel.	Scientific, 4.
Walter Scott Hern,	Minneapolis, E. D.	Scientific, 4.
Alma Florence Hewes,	" "	Scientific, 4.
Lester Wilmot Hewes,	" "	Scientific, 4.
John Wicks Heywood,	Sandusky, Ohio.	Special, 4.
Alvin Hildreth,	Sumner.	Modern, 3.
James Hinton,	Little Valley.	Scientific, 4.
Andrew Holt,	Carver.	Scientific, 4.

Joseph Elisha Horton,	Preston.	Modern, 4.
Thomas Prentiss Allen Howe,	Minneapolis, W. D.	Scientific, 2.
Judson Torrey Howell,	Chatfield,	Scientific, 2.
Moses Gilbert Hubbard,	Minneapolis, W. D.	Scientific, 4.
Seymour Isaac Hudgins,	Grand Forks. D. T.	Classical, 3.
William Franklin Hurlbut,	Dayton.	Scientific, 2.
Daniel Leonard Husher,	Minneapolis, W. D.	Special, 2.
John Corrin Hutchinson,	Hastings.	Classical, Jun.
George Taylor Huy,	Minneapolis, W. D.	Classical, 4.
Marshall Fletcher Hulet,	"	Special, 3.
Ella Frances Hyde,	Mazeppa.	Scientific, 3.
Edward Stowell Hyde,	"	Scientific, Jun.
Judson De Forest Irwin,	Richfield.	Scientific, 1.
James Edwin Jackman,	Stillwater.	Scientific, 4.
Andrew Lambert Jackson,	Aurora, Ill.	Scientific, 4.
John Frederick Johnson,	Minneapolis, E. D.	Scientific, 3.
Mary Estelle Johnson,	" "	Special, 3.
Samuel Paige Johnson,	" "	Scientific, 3.
Everett Carpenter Johnson,	St. Charles.	Special, 4.
Fanny Ada Knox,	Spring Valley.	Classical, 4.
John Charles Kassube,	Minneapolis, E. D.	Scientific, 1.
John Washington Keating,	" W. D.	Scientific, 4.
Eleanor Kelly,	Henderson.	Scientific, 4.
Ida Wilhelmina Maria Knaak.	Waterville.	Scientific, 4.
Minna Elinora Knaak.	"	Scientific ,4.
William Winchester Keysor,	Mankato.	Modern, 3.

Elizabeth Amelia Kirkwood,	Crystal Lake.	Modern, 2.
Nils Kolkin,	Willmar.	Classical, 3.
John Henry Laramy,	Cottage Grove.	Scientific, 4.
Joseph Yendall Laramy,	“ “	Scientific, 4.
Bessie Sumner Lawrence,	Minneapolis, E. D.	Modern, 4.
Horace Ward Le Blonde,	Brownsville.	Modern, 2.
Henry Clay Leonard,	Washington.	Civ. Eng., Sen.
William Edwin Leonard,	Minneapolis, W. D.	Classical, Jun.
John Hamilton Lewis,	Monticello.	Classical, 3.
Laura Albert Linton,	Cook's Valley.	Modern, 3.
William Herod Locke,	Minnetonka.	Scientific, Jun.
Samuel Allen Locke,	“	Scientific, 4.
Albert David Locke,	“	Scientific, 4.
Albert Carpenter Loring,	Minneapolis.	Scientific, 4.
Charles Frederick McComb,	Stillwater.	Scientific, 3.
Alfred Griece McCord,	Monticello.	Classical, 3.
Frank Smith McKean,	Lakeland.	Classical, 3.
Dugald Archey McLarty,	St. Thomas, Ont.	Scientific, 2.
Duncan McLellan,	Alexandria.	Scientific, 2.
Anna McLeod,	Minneapolis, E. D.	Scientific, 4.
George McMurphy,	Prescott, Wis.	Scientific, 3.
Peter McNulty,	Elliota.	Classical, 4.
Mary Anna Maes,	Minneapolis, E. D.	Special, 2.
Stephen Mahoney,	Belle Plaine.	Classical, 1.
Augusta Fannie Mansfield,	Minneapolis, E. D.	Scientific, 4.
Edgar Watrous Markell,	Duluth.	Scientific, 3.

Luke Arthur Marvin,	Duluth.	Scientific, 2.
Samuel Johnson Mealey,	Monticello.	Scientific, 3.
Julius Elliott Miner,	Pine Island.	Classical, Sen.
Patrick Eugene Nagle.	Meeme, Wis.	Scientific, 3.
Ida Neher,	Wurtemburg, Ger.	Scientific, 4.
Thomas Rogers Newton,	Osseo.	Classical, 2.
Isabell Alice Newton,	"	Scientific, 3.
Robert Peter Andrew Nix,	New Ulm.	Scientific, Jun.
Nelson Paul Olson,	Litchfield.	Scientific, 4.
Lyman Ressegine Palmer,	Minneapolis, W. D.	Classical, 4.
Walter Stone Pardee,	" E. D.	Arch't., Jun.
Augusta Wymond Parke,	Leech Lake.	Modern, 4.
Clara Elizabeth Parker,	Minneapolis, Tp.	Modern, 1.
George Henry Partridge,	Winona.	Scientific, 3.
Louise Emily Perkins,	Minneapolis, E. D.	Modern, 2.
John Waldo Perkins,	Monticello.	Classical, 1.
Helen Winifred Perley,	Carlisle, Iowa.	Modern, 4.
Edward Peterson,	Litchfield.	Scientific, 4.
Mary Ambrosia Pierson,	Owatonna.	Modern, 3.
George Francis Piper,	Garden City.	Scientific, 3.
Henry Tomlinson Plant,	Minneapolis, W. D.	Classical, 4.
Byron Preston,	Postville, Iowa.	Scientific, 3.
Edwin Burnam Pribble,	Osseo.	Scientific, Jun.
Evan Rowland Pritchard,	Judson.	Classical, 2.
William Putnam,	Minneapolis, W. D.	Scientific, 3.
James Almond Quinn,	Saint Paul.	Scientific, 1.

Rufus Randall Rand,	Minneapolis, W. D.	Scientific, 3.
Samuel Addison Rank,	Dover Center.	Civ. Eng., Sen.
John Henry Reppy,	Rushford.	Scientific, 2.
Flora Mattie Rich,	Minneapolis, E. D.	Scientific, 2.
Charles Henry Rickert,	Rochester.	Classical, 1.
Martha Anna Riheldaffer,	Saint Paul.	Special, 4.
Mary Minnesota Roberts,	Wabashaw.	Special, 4.
Mary Warwick Robinson,	Minneapolis, W. D.	Scientific, 2.
Alva Lucius Roe,	Afton.	Scientific, 4.
Marion Hooker Roe,	"	Scientific, 2.
Charlotte Adelaide Rollit,	Minneapolis, E. D.	Modern, 1.
Caroline Rollit,	" "	Modern, 3.
Dickinson Logan Rose,	Belle Plaine.	Scientific, 2.
Edward Emmore Salls,	Minneapolis, E. D.	Classical, 4.
Minnie Savage,	" "	Scientific, 4.
Charles William Savidge,	Cleveland.	Classical, 1.
Walter Haviland Scott,	Minneapolis Tp.	Elm. Agr., 4.
Caroline Eastman Secombe,	" E. D.	Modern, 1.
Peter Felix Shillock,	" "	Classical, 4.
Mary Elizabeth Shoppe,	" "	Scientific, 3.
Edward Sears Smith,	Duluth.	Scientific, 4.
Fred Alvyn Smith,	Minneapolis, E. D.	Scientific, 4.
George Murray Smith,	Caledonia.	Special, 4.
Harvey Jay Smith,	Minneapolis, E. D.	Scientific, 1.
Mary Abbie Stanchfield,	Nora, Illinois.	Scientific, 4.
Simon Peter Starritt,	Monticello.	Classical, Sen.

Emmore Eugene Sterling,	Elysian.	Scientific, 4.
Clark Stewart,	Minneapolis, E. D.	Scientific, Sen.
Katie Stoneman,	" "	Scientific, 4.
John Aiken Sweat,	Brownfield, Me.	Classical, Jun.
Myron Devere Taylor,	Long Hill.	Scientific, 2.
William Leonard Taylor,	Danville, Ill.	Special, 4.
Burdett Thayer,	Spring Valley.	Modern, 3.
Charles Edward Thayer,	Minneapolis, E. D.	Civ. Eng., Sen
Henry Woodbridge Thayer,	" "	Classical, 3.
Marcus Dow Thayer,	" "	Classical, 1.
Alfred Lenore Thomas,	" "	Modern. 4.
Edward Robert Thompson,	Newburg, N. Y.	Scientific, 3.
Ellen Rebecca Thompson,	Pilot Mound.	Scientific, 4.
George Burt Thompson,	Minneapolis, E. D.	Classical, 3.
Lillian Sanborn Todd,	" W. D.	Scientific, 4.
Eva Town,	Owatonna.	Scientific, 3.
Wilber Lewis Trumble,	Minneapolis, E. D.	Scientific, 4.
Edward Francis Upton,	Battle Creek, Mich.	Scientific, 4.
William Amos Upton,	Minneapolis, E. D.	Scientific, 4.
Effie Inez Valentine,	Rushford.	Scientific, 4.
Thomas Talbot Vincent,	Farmington.	Scientific, 4.
Clarence Tully Ward,	Waseca.	Classical, 2.
William John Warren,	Medford.	Scientific, 2.
Alphonso Rudolph Walker,	Burr Oak, Iowa.	Modern, 4.
Clarence Wedge,	Albert Lea.	Scientific, 2.

Albert McClure Welles,	Farmington,	Classical, 1.
Mattie Isabell West,	Minneapolis, E. D.	Scientific, 3.
Willis Mason West,	Saint Cloud.	Classical, 2.
Mary Buckley Whitney,	Minneapolis. E. D.	Special, 3.
Lucy Louisa Whittier,	“ “	Scientific, 4.
Helen Josephine Wilcox,	Plainview.	Modern, 2.
Minnie Ethlyn Wilcox,	“	Modern, 2.
Herbert Milo Wilcox,	Greenwich, N. Y.	Special, 4.
Edward Willes,	Saint Paul.	Classical, 2.
Daniel Williams,	Glen Roy, Iowa.	Classical, 2.
William Wadsworth Williams,	“ “	Classical, 4.
George Alfred Wood,	Elliota.	Scientific, 2.
Howell Winthrop Young,	Minneapolis, E. D.	Scientific, 2.

SUMMARY.

COLLEGE OR DEPARTMENT.	CLASS.	GENTLEMEN.	LADIES.	TOTAL.
Science, Literature and the Arts,	Seniors,	4	1	5
	Juniors,	11	1	12
Mechanic Arts.	Seniors,	3		3
	Juniors,	4		4
Agriculture, Elementary Course,		2		2
Collegiate Department,	First,	17	3	20
	Second,	29	10	39
	Third,	42	10	52
	Fourth,	68	18	86
	Special,	8	6	14
Totals, ...		188	49	237

OR BY CLASSES ONLY,

Seniors,—of all Departments, ...	8		
Juniors,— “ “ “	16		
Sophomores,—First Class, Collegiate Department, ...	20		
Freshmen,—Second “ “ “	39	–83	
Preparatory, Third “ “ “		52	
Preparatory, Fourth “ “ “		86	
Special,—14; Agricultural, 2, ...		16	
Total, ...			237

THE UNIVERSITY.

HISTORICAL.

In the act erecting the Territory of Minnesota, approved March 9th, 1849, the Congress of the United States granted two sections of public lands for the endowment of a University.

The Territorial Legislature of 1851, on the thirteenth day of February, passed an act providing for the establishment of "an institution under the name and style of THE UNIVERSITY OF MINNESOTA," and for its location "at or near the Falls of Saint Anthony."

The State Constitution, adopted by the people on the thirteenth day of October, 1857, confirmed the previous action, as follows:

"THE LOCATION OF THE UNIVERSITY OF MINNESOTA AS ESTAB-
"LISHED BY EXISTING LAWS, IS HEREBY CONFIRMED, AND SAID
"INSTITUTION IS HEREBY DECLARED TO BE THE UNIVERSITY
"OF THE STATE OF MINNESOTA. ALL THE RIGHTS,
"IMMUNITIES, FRANCHISES AND ENDOWMENTS HERETOFORE
"GRANTED OR CONFERRED, ARE HEREBY PERPETUATED UNTO
"THE SAID UNIVERSITY; AND ALL LANDS WHICH MAY BE GRANT-
"ED HEREAFTER BY CONGRESS, OR OTHER DONATIONS FOR SAID
"UNIVERSITY PURPOSES, SHALL VEST IN THE INSTITUTION REFER-
"RED TO IN THIS SECTION."—*Article VIII., Sec. 4, p. 37 of the General Statutes of Minnesota, 1869.*

An effort was at once made to organize and open the institution. A plan of a building was adopted, and a portion of it erected. The financial revulsion of 1857–8, followed closely by the War of the Rebellion, checked the progress of the enterprise, and left the institution heavily encumbered.

In 1864 the Legislature appointed a special commission, composed of Hon. J. S. Pillsbury, Hon. John Nicols, Hon. O. C. Merriman, to liquidate the accumulated indebtedness, by selling a portion of the public lands. About fourteen thousand acres were thus disposed of, and all debts and obligations were discharged.

The University dates its present and actual organization from the law of the State approved February 8th, 1868, entitled "An Act to Re-organize the University of Minnesota, and to establish an Agricultural College therein." This act, as modified in some details by an act approved March 4th, 1872, reads as follows:

CHAPTER I. GENERAL LAWS 1868.

AN ACT to re-organize and provide for the Government and Regulation of the University of Minnesota, and to establish an Agricultural College therein.

As amended by Chapter X. of the General Laws of 1872:

AN ACT to amend Chapter one of the Session Laws of 1868, relating to the University of Minnesota.

Object.

SECTION 1. The object of the University of Minnesota, established by the Constitution at or near the Falls of St. Anthony, shall be to provide the means of acquiring a thorough knowledge of the various branches of literature, science and the arts, and such branches of learning as are related to Agriculture and the Mechanic Arts, including military tactics and other scientific and classical studies.

Colleges.

SECTION 2. There shall be established in the University of Minnesota, five or more colleges or departments, that is to say, a College of Science, Literature and the Arts, a College of Agriculture, including "military tactics," a College of the Mechanic Arts, a College or Department of Law, and also a College or Department of Medicine. The department of Elementary Instruction may be dispensed with at such rate and in such wise as may seem just and proper to the Board of Regents.

Regents, how appointed.

SECTION 3. The government of the University shall be vested in a board of ten regents, of which the Governor of the State, the State Superintendent of Public Instruction, and the President of the University shall be members *ex officiis*, and the remaining seven members thereof shall be appointed by the Governor, by and with the advice and consent of the Senate. Whenever a vacancy occurs therein, for any cause, the same shall be filled for the unexpired term in the same manner. Of the regents thus appointed, two shall be commissioned and hold their offices for one year, and two for two years, and three for three years. Their suceessors shall be appointed in like manner, and shall hold their office for the full term of three years from the first Wednesday of March succeeding their appointments, and until their successors are appointed and qualified. The president of the University shall have the same rights, powers and privileges as other members, except the right of voting, and he shall be, *ex officio*, the corresponding secretary of the board of regents.

Incorporation.

SECTION 4. The regents of the University shall constitute a body corporate under the name and style of "The University of Minnesota;" and by that name may sue and be sued, contract and be contracted with, make and use a common seal and alter the same at pleasure; a majority of the voting members shall constitute a quorum for the transaction of business, and a less number may adjourn from time to time.

Officers of the Board.

SECTION 5. The board of regents shall elect from the members of the board, a president of the board, [a] recording secretary and [a] treasurer, who shall hold their respective offices during the pleasure of the board. And the president and treasurer each before entering upon the duties of his office, shall execute a bond in the penal sum of fifty thousand dollars, with at least two sufficient sureties, to the State of Minnesota, to be approved by the Governor, conditioned for the faithful and honest performance of the duties of his office according to law, which bonds, when so approved, shall be filed in the office of the Secretary of State.

Bonds.

Powers and duties of the Board.

SECTION 6. The board of regents shall have power, and it shall be their duty, to enact by laws for the government of the University of Minnesota in all its departments; to elect a President of the University, and, in their discretion, a Vice President, and the requisite number of professors, instructors, officers, and employes, and to fix their salaries, [and] also the term of office of each, and to determine the moral and educational qualifications of applicants for admission, and in the appointment of professors, instructors, and other officers, and assistants of the University, and in prescribing the studies and exercises thereof; and in all the management and government thereof, no partiality or preference shall be shown to one sect or religious denomination over another, nor shall any thing sectarian be taught therein. And the board of regents shall have power to regulate the courses of instruction, and [to] prescribe the books and authorities to be used, and also to confer such degrees and grant such diplomas as are usual, in their discretion. It shall be the duty of the recording secretary to record all the proceedings of the board, and carefully preserve all its books and papers; and before entering upon the duties of his office he shall take and subscribe an oath to perform his duties honestly and faithfully as such officer. It shall be the duty of the treasurer to keep an exact and faithful account of all moneys, bills receivable and evidence of indebtedness, and all securities and property received or paid out by him, and before entering upon his duties he shall take and subscribe an oath

Duties of officers.

that he will well and faithfully perform the duties of treasurer thereof. It shall be the duty of the president to preside at the meetings of the board; and in case of his inability to preside, the board may appoint a president *pro tempore.*

Income from grant of 1862 appropriated

SECTION 7. In addition to all the rights, immunities, franchises and endowments heretofore granted to or conferred upon the University of Minnesota, for the endowment, support and maintenance thereof, there shall be and is hereby inviolably appropriated and placed at the disposal of the board of regents thereof, to be drawn from the State treasury upon the order of the president, drawn upon the State Auditor, countersigned by the secretary of the board and payable to the order of the treasurer of the board, all the interest and income of the fund to be derived from the sales of all the lands granted and to be granted to the State of Minnesota by virtue of an act of Congress entitled "An act donating lands to the several States and territories which may provide colleges for the benefit of agriculture and the mechanic arts," approved July 2nd, 1862; and also all such gifts, grants and contributions to the endowment thereof as may be derived from any and all such sources.

Liquidation of old debts.

SECTION 8. And in order to effect a settlement of all remaining indebtedness of the University, all the powers and authorities given by Chapter 18 of the laws of 1864, entitled "An act relating to the University of Minnesota," and Chapter 11 of the laws of 1866, entitled "An act to amend an act relating to the University of Minnesota, approved March 4, 1864" to the regents therein mentioned, are hereby given to and conferred upon the board of regents of the University of Minnesota aforesaid; and the said acts are hereby continued and shall be in force until such outstanding indebtedness is fully liquidated.

Meetings.

SECTION 9. The first meeting of the board of regents under the provisions of this act, shall be holden at the University building on the first Wednesday in March, 1868, at which meeting the officers of the board shall be elected, and the annual meetings of the board shall be holden on the second Tuesday of December in each and every year thereafter.

Endowment of professorships.

SECTION 10. Any person or persons contributing a sum of not less than fifteen thousand dollars, shall have the privilege of endowing a professorship in the University, the name and object of which shall be designated by the board of regents.

Board to succeed to property.

SECTION 11. The said board of regents shall succeed to and have control of the books, records, building, and all other property of the University; and the present board of regents shall be dissolved immediately upon the organization of the board herein provided for; *Provided,* that all contracts made and at the time binding upon the board then dissolved, shall be assumed and discharged by their successors in office.

Experimental farm.

SECTION 12. It shall be the duty of the board of regents herein provided for, to make arrangements for securing suitable lands, pursuant to the act of Congress above mentioned, in the vicinity of the University, for an experimental farm; and as soon thereafter as may be to make such improvements thereon as will render the same available for experimental purposes in connection with the course in the agricultural college; and for such purpose the board of regents is hereby authorized to expend a sum not exceeding the amount specified by the act of Congress aforesaid.

Annual Report.

SECTION 13. On or before the second Tuesday of December in each and every year the board of regents, through their president, shall make a report to the Governor, showing in detail the progress and condition of the University during the previous University year, the wants of the institution in all its various departments—the nature, costs and results of all improvements, experiments and investigations—the number of professors and students—the amounts of money received and disbursed—and such other matters, including industrial and economical statistics, as they may deem important or useful. One copy of the said report shall be transmitted to each of the other colleges endowed under the provisions of the said act of Congress, and one copy to the Secretary of the Interior.

Duties of the President of University.

SECTION 14. The president of the University shall be the president of the general faculty and of the special faculties of the several departments or colleges, and the executive head of the institution in all its departments. As such officer he shall have authority, subject to the board of regents, to give general direction to the practical affairs and scientific investigations of the University, and in the recess of the board of regents, to remove any employe or subordinate officer not a member of the faculty, and supply, for the time being, any vacancies thus created. He shall perform the customary duties of a corresponding secretary, and may be charged with the duties of one of the professorships. He shall make to the superintendent of public instruction, on or before the second Tuesday in December in each and every year, a report, showing in detail the progress and condition of the University during the previous University year—the number of professors and students in the several departments—and such other matters relating to the proper educational work of the institution as he shall deem useful. It shall also be the duty of the president of the University to make to the board of regents, on or before the second Tuesday in December in each and every year, a report, showing in detail the progress and condition of the University during the previous University year—the nature and results of all important experiments and investigations, and such other matters, including economical and industrial facts and statistics as he shall deem useful.

SECTION 15. Chapter eighty of the laws of eighteen hundred and sixty, chapter eighty-seven of the laws of eighteen hundred and sixty-two, and so much and such parts of any and all acts and laws whether general or special, as are inconsistent with the provisions of this act, are hereby repealed.

SECTION 16. This act shall take effect and be in force from and after its passage.

Approved February 18, 1868. Act to amend approved February 29, 1872.

The foregoing act may be said to constitute the CHARTER of the University. In pursuance of the eleventh section, the Special

Board of three Regents already mentioned, made over the whole property and franchises to a Board duly appointed and organized under the new law.

The seventh section, placing the income to be derived by the State from the so-called "Agricultural College" land grant, at the disposal of the Board of Regents, imposes upon them by obvious implication, the duty of carrying out the provisions of the act of Congress making that grant, referred to in the section. This act forms Chapter CXXX. of the Laws of the United States, 1862, and is entitled "An act donating public lands to the several States and Territories which may provide Colleges for the benefit of Agriculture and the Mechanic Arts. The full text is here given:

BE it enacted by the Senate and House of Representatiees of the United States of America in Congress assembled:

Amount of grant.

That there be granted to the several States, for the purposes hereinafter mentioned, an amount of public land, to be apportioned to each State a quantity equal to thirty thousand acres, for each Senator and Representative in Congress to which the States are respectively entitled by the apportionment under the census of eighteen hundred and sixty: *Provided*, that no mineral lands shall be selected or purchased under the provisions of this Act.

How located.

SEC. 2. *And be it further enacted*, That the land aforesaid, after being surveyed, shall be apportioned to the several States in sections or subdivisions of sections, not less than one-quarter of a section; and whenever there are public lands in a State subject to sale at private entry at one dollar and twenty-five cents per acre, the quantity to which said State shall be entitled shall be selected from such lands within the limits of such State, and the Secretary of the Interior is hereby directed to issue to each of the States in which there is not the quantity of public lands subject to sale at private entry at one dollar and twenty-five cents per acre, to which said State may be entitled under the provisions of this act, land scrip to the amount in acres for the deficiency of its distributive share; said scrip to be sold by said States, and the proceeds thereof applied to the uses and purposes prescribed in this act, and for no other use or purpose whatsoever: *Provided*, That in no case shall any State to which land scrip may thus be issued be allowed to locate the same within the limits of any other State, or of any Territory of the United States, but their assignees may thus locate said land scrip upon any of the unappropriated land of the United States subject to the sale at private entry at one dollar and twenty-five cents, or less, per acre: *And provided further*, That not more than one million acres shall be located by such assignees in any one of the States: *And provided further*, That no such location shall be made before one year from the passage of this act.

States to pay all charges.

SEC. 3. *And be it further enacted*, That all the expenses of management, superintendence, and taxes from the date of selection of said lands, previous to their sales, and all expenses incurred in the management and disbursement of the moneys which may be received therefrom, shall be paid by the States to which they may belong, out of the treasury of said States, so that the entire proceeds of the sale of said lands shall be applied without any diminution whatever to the purposes hereinafter mentioned.

Funds how invested.

SEC. 4. *And be it further enacted*, That all moneys derived from the sale of the lands aforesaid by the States to which the lands are apportioned, and from the sales of land scrip hereinafter provided for, shall be invested in stocks of the United States, or of the States, or some other safe stocks, yielding not less than five per centum upon the par value of said stocks; and that the money so invested shall constitute a perpetual fund, the capital of which shall remain forever undiminished, (except so far as may be provided in section fifth of this act), and the interest of which shall be inviolably appropriated, by each State which may take and claim the benefit of this act, to *the endowment, support and maintenance of at least one college where the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the legislatures of the States may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life.*

Object of grant.

Conditions

SEC. 5. *And be it further enacted*, That the grant of land and land scrip hereby authorized shall be made on the following conditions, to which, as well as to the provisions hereinbefore contained, the previous assent of the several States shall be signified by legislative acts:

First. If any portion of the fund invested as provided by the foregoing section, or any portion of the interest thereon, shall, by any action or contingency, be diminished or lost, it shall be replaced by the State to which it belongs, so that the capital of the fund shall remain forever undiminished; and the annual interest shall be regularly applied, without diminution, to the purposes mentioned in the fourth section of this act, except that a sum not exceeding ten per centum upon the amount received by any State, under the provisions of this act, may be expended for the purchase of lands for sites or experimental farms, whenever authorized by the respective legislatures of said States.

States to preserve fund undiminished.

No buildings.

Second. No portion of said fund, nor the interest thereon, shall be applied, directly or indirectly, under any pretense whatever, to the purchase, erection, preservation, or repair of any building or buildings.

Grant to cease after 5 years.

Third. Any State which may take and claim the benefit of the provisions of this act, shall provide, within five years at least, not less than one college, as described in the fourth section of this act, or the grant to such State shall cease, and said State shall be bound to pay the United States the amount received of any lands previously sold, and that the title to purchasers under the State shall be valid.

Annual report. *Fourth.* An annual report shall be made regarding the progress of each college, recording any improvements and experiments made, with their cost and results, and such other matters, including State industrial and economical statistics, as may be supposed useful; one copy of which shall be transmitted by mail free, by each to all other colleges which may be endowed under the provisions of this act, and also one copy to the Secretary of the Interior.

Double minimum *Fifth.* When lands shall be selected from those which have been raised to double the minimum price, in consequence of railroad grants, they shall be computed to the States at the maximum price, and the number of acres proportionally diminished.

Sixth. No State while in a condition of rebellion or insurrection against the government of the United States shall be entitled to the benefit of this act.

Acceptance. *Seventh.* No State shall be entitled to the benefits of this act unless it shall express its acceptance thereof by its legislature within two years from the date of its approval by the President.

Scrip not to be located before '63. SEC. 6. *And be it further enacted,* That land scrip issued under the provisions of this act shall not be subject to location until after the first day of January, one thousand eight hundred and sixty-three.

Land Office fees. SEC 7. *And be it further enacted,* That the land officers shall receive the same fees for locating land scrip issued under the provisions of this act as is now allowed for the location of military bounty land warrants under existing laws; *Provided,* Their maximum compensation shall not be thereby increased.

Governor to report on sales. SEC. 8. *And be it further enacted,* That the Governors of the several States, to which scrip shall be issued under this act, shall be required to report annually to Congress all sales made of such scrip until the whole shall be disposed of, the amount received for the same, and what appropriation has been made of the proceeds.

A preparatory school had been opened in the University building in October, 1867, and was successfully conducted during the year following. In the summer of 1869 the first faculty was formed, consisting of a president and eight professors, and in September of the same year, the first college class was organized.

In July, 1871, the Board of Regents adopted the present plan of organization in place of the provisional one previously in effect.

The first Annual Commencement was held June 19th, 1873.

The progress of the institution has from the first been steady, and probably as rapid, all circumstances considered, as would be consistent with healthful development.

GENERAL PLAN.

Under the organic law the Board of Regents are authorized to establish any desired number of Departments or Colleges, the following, however, being specified:

"A DEPARTMENT OF ELEMENTARY INSTRUCTION;

"A COLLEGE OF SCIENCE, LITERATURE AND THE ARTS;

"A COLLEGE OF AGRICULTURE;

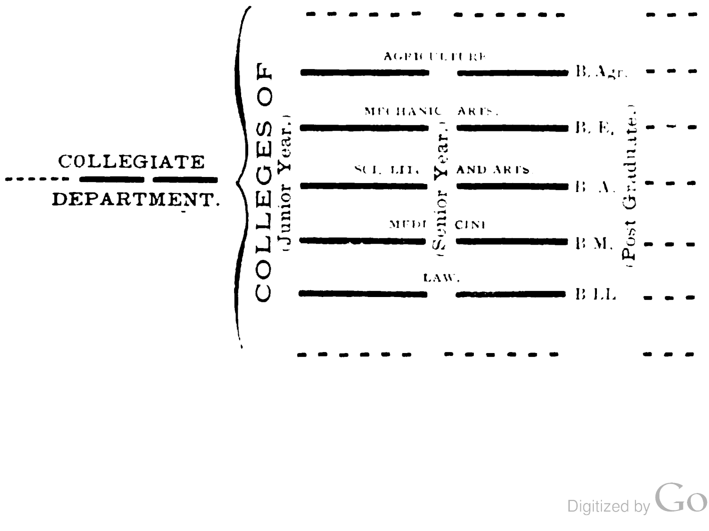
"A COLLEGE OF MECHANIC ARTS;

"A COLLEGE OR DEPARTMENT OF MEDICINE;

"A COLLEGE OR DEPARTMENT OF LAW."

The Colleges of Law and Medicine have not yet been organized.

The relative positions of these Colleges or Departments are illustrated by the following diagram:



The Department of Elementary Instruction, otherwise designated, by virtue of a by-law of the Board of Regents, the "COLLEGIATE DEPARTMENT," is introductory to the permanent Colleges of the University. It includes, together with the work of the Freshman and Sophomore classes of the ordinary College courses, the remainder of the old Preparatory Department, so long as any may be retained. In common with all Colleges and Universities of the newer States, the institution has been obliged to carry a large amount of preparatory work. One year of such work has been already dropped, and a second will be formally discontinued at the close of the University year 1875–6.

This arrangement of departments emphasizes and formulates the growing tendency and custom of American Colleges and Universities to make the close of the second or Sophomore year a branching point for certain professional and technical courses, and for the introduction of optional studies. It presupposes a separation of the secondary and superior epochs of education, and a corresponding assortment of studies. The high schools and other "fitting schools" of the State are thus invited to extend their work substantially up to the Junior Year. When this shall have been generally done, the University will dispense with the whole of the Department of Elementary Instruction, as provided by law, and will extend her proper work on post-graduate ground. In the meantime the elementary work of the University will begin at the point where the schools of the State leave off.

The general plan of the University contemplates a group or federation of distinct Colleges, having each its own organization, faculty, buildings and equipment. Among the advantages claimed for this general plan may be named the following:

1. A faithful adherence to the letter and spirit of the laws, state and national, which have established and endowed the University, and which contemplate it as a federation of literary, professional and industrial COLLEGES.

2. That, while offering the old college curriculum and discipline in their best forms to the literary and professional classes, the University will provide for the industrial classes that "liberal and practical education" required by law and public sentiment.

3. The separation of the natural epochs of secondary and superior education, and the ultimate liberation of the University from the elementary work of the former. And coinciding with this division, an advantageous assortment of studies, methods and discipline, suitable to the two periods respectively.

4. A close and vital articulation of the University with the public school system of the State.

5. The elevation of the high schools, by enlarging the recognized sphere of their instruction.

6. The elevation of the professional schools by requiring of candidates for degrees a good general education as a prerequisite for admission, while not insisting upon the impossible condition that all shall have gone over the whole of the old College course.

7. The elevation, in particular, of the Colleges of Agriculture and Mechanic Arts to equal rank and standing with other University courses, and the separation of the studies and exercises properly belonging to them, from the elementary branches taught in the primary and secondary schools; which branches it is not the business of *Colleges* to teach.

8. Great freedom in the arrangement of details to suit varying conditions, the main plan remaining unchanged.

To put the above plan of organization into effect, as well as to prescribe the rights, powers and duties of the various parties concerned, the Board of Regents have from time to time enacted such by-laws as seemed to be necessary. These, after being submitted to the General Faculty for their revision, have been arranged and codified for convenience of reference. See Appendix.

INSTRUCTION.

PROFESSORSHIPS.

Tne following is a scheme of DEPARTMENTS OF INSTRUCTION at large, for the various Colleges of Departments of the University, authorized by the Board of Regents:

I. ACADEMIC OR GENERAL.	ASSOCIATED SUBJECTS.
1. Mathematics.	
2. Astronomy.	
3. Chemistry.	
4. Physics.	
5. Geology and Mineralogy.	
6. Botany.	
7. Zoology.	
8. Physical Geography.	
9. English Language and Literature.	Rhetoric, Logic, Anglo-Saxon.
10. German Language and Literature.	North European Languages.
11. French Language and Literature.	South European Languages.
12. Latin Language and Literature.	Roman History and Antiquities.
13. Greek Language and Literature.	Greek History and Antiquities.
14. Comparative Philology.	
15. Mental and Moral Philosophy.	History of Philosophy.
16. History.	History of Civilization. Philosophy of History.
17. Social Science.	The Civil Government.* International Law.
18 Elocution and Vocal Culture.	Music. Gymnastics.
19. Public Health.	Anatomy and Physiology.
20. Industrial Drawing.	Descriptive Geometry.
21. Fine Arts.	Æsthetics.

*Including the State and United States Constitutions.

II PROFESSIONAL.

22. Theory and Practice of Agriculture.	Horticulture and Arboriculture.
23. Civil Engineering.	Architecture.
24. Mechanical Engineering.	Mechanics.
25. Military Science.	
26. Veterinary Science.	Stock Breeding.
27. Education.	
28. Business.	

The following consolidations and assignments are now in force:

1. Astronomy is attached to the department of Mathematics.
2. Physics is attached to the department of Chemistry.
2. Botany, Zoology and Physical Geography, are in charge of the Professor of Geology and Mineralogy.
4. No instruction is offered in the North European Languages, except the Scandinavian.
5. The French Language and Literature are in charge of the Professor of Military Science.
6. No instruction is offered in the South European Languages, except Italian.
7. Comparative Philology is attached to the department of Mental and Moral Philosophy.
8. The History of Civilization is in charge of the President.
9. No instruction is offered in the Philosophy of History.
10. Civil Government and International Law are attached to the department of History.
11. Elocution and Vocal Culture are in charge of the Professor of History.
12. No instruction is offered in Music and Gymnastics.
13. The department of Public Health (and associated subjects) is in charge of the Secretary of the State Board of Health.
14. Industrial Drawing and Descriptive Geometry are attached to the chair of Civil Engineering.

15. No instruction is offered in the department of Fine Arts, except a short course of lectures.
16. Mechanical Engineering is united with Civil Engineering.
17. Veterinary Science and Stock Breeding are in charge of the Professor of Theory and Practice of Agriculture.
18. No instruction is offered in the departments of Business or Education.

COURSES OF STUDY–DEGREES.

ACADEMICAL.

I. The COLLEGIATE DEPARTMENT offers three courses of study, called Classical, Scientific, and Modern. The Classical Course has for its leading studies the Greek and Latin languages. The Scientific Course is characterized by a succession of elementary natural sciences, The Modern Course is distinguished by the prominence given to the modern languages. Students choose their courses at time of entrance. The General Faculty may also permit students to select studies from the various courses.

At the close of his course in this department each student has his option whether to enter at once, with a fair preparation, one of the professional Colleges, or to proceed with higher academical studies in the COLLEGE OF SCIENCE, LITERATURE AND THE ARTS. No degrees are offered in the Collegiate Department.

II. The COLLEGE OF SCIENCE, LITERATURE AND THE ARTS presents, likewise, three courses of study:

A COURSE IN ARTS;

A COURSE IN SCIENCE;

A COURSE IN LITERATURE..

These lead, respectively, to the degree of Bachelor of Arts, Bachelor of Science, Bachelor of Literature.

PROFESSIONAL.

I. The COLLEGE OF AGRICULTURE offers two courses; (1) an advanced or University Course, based on the Scientific Course of the Collegiate Department, leading to the degree of Bachelor of Agriculture; (2) an Elementary Course, coinciding to a considerable extent with the Scientific Course of the Collegiate Department.

II. The COLLEGE OF MECHANIC ARTS offers three advanced or University courses, leading to appropriate BACCALAUREATE degrees:

A COURSE IN CIVIL ENGINEERING;
A COURSE IN MECHANICAL ENGINEERING;
A COURSE IN ARCHITECTURE.

These courses are based on the Scientific Course of the Collegiate Department.

The detailed schedules of the courses of study in the various Colleges or Departments will be found under the appropriate titles. Attention is called to the following

GENERAL STATEMENTS.

1. The University year embraces thirty-eight weeks exclusive of recesses, and is divided into three terms. The first term has fourteen weeks; the second and third, twelve each.

2. As a general rule each student, in whatever department, has three recitations a day for five days in the week, besides rhetorical, military and other *exercises*.

3. The schedules are arranged according to the wants of the regular students. Special students must select (in equivalent amounts) from the studies as thus laid down.

4. Students of any department or college may attend classes of another department under the direction of the faculties and professors.

5. Except as otherwise ordered by the Board of Regents, the recitations and exercises of the various Colleges or Departments are conducted according to consolidated term programmes, adopted from time to time by the General Faculty.

6. Student in different courses are united in recitations whenever possible.

7. Elective studies, to count on standing, must be chosen from corresponding years and terms.

8. The merit of students as regards scholarship, is determined by means of examinations only. The examinations* are habitually conducted in writing.

9. Any person passing the required examinations will receive the appropriate degree or certificate.

10. The schedules present merely leading titles and subjects. The usual collaterals must in all cases be implied. The rhetorical, military and other exercises are likewise not specified, being held according to appointment of the Faculties from time to time.

11. No honorary degrees are conferred by this University.

12. So soon as may be necessary, regular courses of post-graduate studies will be framed leading to the higher academical and professional degrees. In the meantime, graduates desiring to continue their studies, will make such arrangements with the faculties and heads of departments as may be feasible.

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*The examination questions being commonly written on the blackboard after the assembling of the classes, cannot be furnished to applicants.

The following statements show the nature and scope of the work in the various departments. Students preparing to enter are requested to note the KIND of preparation required.

I. MATHEMATICS.

PROFESSOR THOMPSON.

The course in Pure Mathematics commences on a basis of common Arithmetic and the Algebra of simple equations, and assigns twenty-six weeks to the completing of Algebra; ten weeks to Geometry; eight weeks to Conic Sections; four weeks to Land Surveying; twenty-six weeks to General Geometry, including Differential and Integral Calculus, and twelve weeks to Modern Geometry and Higher Equations.

The entrance examinations contemplate a thorough knowledge of the fundamental operations in Arithmetic, Factoring, Common and Decimal Fractions, Compound Numbers, Percentage (including Exchange and Banking), Proportion, Square and Cube Root with their practical applications. In Elementary Algebra, candidates will be examined in Notation and Numeration of Algebra, algebraic Addition, Subtraction, Multiplication and Division, Factoring, Fractions, Simple Equations, Radicals and Quadratic Equations. Examination for advanced standing includes, in addition to the above, all the studies passed over by the lower classes.

A prominent feature of the plan adopted in this department is limitation for the sake of thoroughness. It is the design to select only the cardinal principles of a given branch, concentrate attention on these, and treat all else as incidental. The results of this method are very satisfactory. An important principle once clearly understood by an entire class, the applications of it and the problems involving it are often made a matter of recreation. In Algebra, for instance, the problems and equations are regarded as no part of the treatise, other problems and equations being substituted for them.

In Geometry, the principal object desired is to understand thoroughly the logical chain that connects about two hundred geometrical propositions into one argument and one line of unbroken demonstration. The practical application of geometrical principles is fully illustrated by numerous examples.

Trigonometry is taught less by formulas than by concrete examples in Mensuration, Surveying, Navigation, and problems of the celestial sphere All the

Conic Sections are discussed, and ample time is afforded to general Geometry, with a full use of Differential and Integral Calculus.

The introduction of Modern Geometry and Higher Equations into the course offers to the mathematical student opportunities of great importance.

II. ASTRONOMY.

PROFESSOR THOMPSON.

A brief course of lectures on topics of descriptive Astronomy, is given by the professor to the First or Sophomore class. The text-book used is Olmsted's College Astronomy, and the instruction is conducted strictly on a mathematical basis. These students are expected to become familiar with the simple problems of the sphere, involving Spherical Trigonometry, with the use of formulas, and with computations necessary for the calculation of a lunar eclipse.

Those students who elect Astronomy in the Senior year, are expected to read Bessel's method of computing solar eclipses, compute latitude and longitude, and go through with the calculation of a solar eclipse in the most rigorous method.

VII. PHYSICS.

PROFESSOR PECKHAM.

The Course of Study offers an elementary course in Natural Philosophy, of one term, and later, a full course in Physics and Mechanics, running through three terms. The recent purchases of apparatus have furnished ample means for illustration in this department. In addition to this work, which is required, students may elect to pursue an advanced course of study in the Physical Laboratory, making their own experiments and constructing their own apparatus in a small shop provided with tools for that purpose.

IV. CHEMISTRY.

PROFESSOR PECKHAM.

During the first term all students of the second class, take General Chemistry. The following term the scientific students are required to take Applied Chemistry; also the students in the Modern Course, if they so elect.

The chemical laboratory is fitted up in the best manner, with apparatus and fixtures of the most approved construction. It is designed to furnish instruction in qualitative analysis to all students in the Scientific Course of the COLLEGE OF SCIENCE, LITERATURE AND THE ARTS, and to all students in the COLLEGES OF AGRICULTURE and the MECHANIC ARTS, and in quantitative analysis and in special research to all students, of whatever department or college, who may desire such opportunities.

No charges are made for instruction, and only such charges for apparatus and chemicals as will cover actual cost to the institution. The charges for ordinary chemicals will not exceed ten dollars per term. All glassware and other apparatus will be charged to the student at cost. The glassware that is uninjured will be received back at cost; other articles will be received back under special regulations, generally at a discount of twenty per cent. The cost of apparatus will vary from two to five dollars per term, according to the care exercised by the student.

Advanced students in analytical Chemistry are free to select their subjects for analysis or research under the advice of the Professor in charge.

V. GEOLOGY AND MINERALOGY.

PROFESSOR WINCHELL.

The Third Class in the Collegiate Department spends the Winter Term on General and Dynamical Geology, recitations occurring five times per week. Dana's Manual is used, the subject matter being enlarged by blackboard diagrams and familiar lectures. Full notes and abstracts of all lectures, and explanatory matter presented during the term, are required of the class. The fullness and correctness of these notes, and the transcribed diagrams, exhibit the industry and interest of the students, thus furnishing a basis for the stated examinations.

The Junior Classes spend the Winter Term on Mineralogy and Lithology, meeting five times per week. The aim of this term's work is to make the student familiar with the crystalline forms and outward characters of the common minerals, and by a course in blowpipe analysis, to determine, quantitatively, their composition. After the most important minerals are thus made familiar to the student he is ready to begin the examination and careful study of rocks. The same class continues the study of Historical Geology during the following term. This also requires daily recitations. The chief aim here is to bring out the succession of principal events in the geological history of the earth, in a series of recitations and lectures, with special reference to the continent of North America and the State of Minnesota.

The student of the science of Geology in the University, is furnished throughout with such aid as can come from a good supply of maps, diagrams, models, and other means of illustration. Use is made of Marcy's Sciopticon with a suit of geological and mineralogical slides. This means of illustration is specially valuable in the departments of Dynamical and Lithological Geology. The collections of the Geological and Natural History Survey of the State, stored by law in the University Museum, and constantly increasing, are in daily use in the class room. A series of casts of fossils, purchased of Professor Henry A. Ward, of Rochester, N.Y., are available for use in the study of historical Geology. The text-books used are those of Dana, with Elderhorst's and Brush's in blowpipe Mineralogy.

VI. BOTANY.

PROFESSOR WINCHELL.

The Third Class in the Collegiate Department begins Botany in the Spring Term. The elements of structural and systematic Botany are acquired by the use of a text-book and hand specimens. Each member of the class is required to analyze correctly, and name, independently, forty or fifty species, keeping full records of the characters and peculiarities of each species. At the final examination each student submits his record and note-book, and must be prepared to name and characterize each species, and name its family relations.

In the College of Agriculture provision is made for a special course in Botany, with reference to the wants of students expecting to pursue farming.

VII. ZOOLOGY.

PROFESSOR WINCHELL.

The course in Zoology is introduced in the Fourth Class in the Collegiate Department. During the Spring Term a daily recitation is held in elementary, human, and comparative Physiology.

Students in the Elementary Course in Agriculture are required, when in the Second Class, to pursue the study of Zoology during the Winter Term. In the Collegiate Department, students of the Second Class who *elect* Zoology, will recite with those in the course in Agriculture. The course will consist of a review of the Elements of Zoology with the use of the microscope and sciopticon, and illustrations from the Museum.

Students in the Collegiate Department who elect Zoology in the First Class, will be put to work, in the Spring Term, in some department of Zoology, as Ornithology, or Entomology, or Conchology, making collections and studying species. Such specimens collected will be placed in the University Museum to the credit of the collectors, when regarded worthy of exhibition. The text-books in Zoology will vary.

VIII. PHYSICAL GEOGRAPHY.

PROFESSOR WINCHELL.

During the Fall Term the Fourth Class in the Collegiate Department pursue Physical Geography. This is intended to introduce the student to the natural sciences, and, by a general and broad survey, show him what lies before.

IX. ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR MARSTON.

Collegiate Department.

FOURTH CLASS.—The study and practice of Elementary Elocution and Composition. Under the latter subject are included punctuation, capital letters, proper form of papers of various kinds—as letters, examination papers, essays, etc., and the grammatical structure of sentences.

In the second term students pursuing the Modern Course take Trench's Study of Words.

THIRD CLASS.—Elocution continued. Declamations privately rehearsed and afterwards delivered before the class. Practice in making outlines of easy description and narrative themes, and in expanding outlines into short essays. Those electing English the first term study the English of some standard modern author in connection with a hand-book of the English Language.

SECOND CLASS.—Practice in Elocution and Composition, continued. Declamations rehearsed in private and afterwards delivered before the class.

Those electing English study Anglo-Saxon and the history of the English Language, and read some standard modern author.

FIRST CLASS.—Declamations, previously rehearsed and criticised in private, given before the class and made the subject of further criticism.

In connection with Logic and Rhetoric instruction is given in making outlines of argumentative themes, and in the higher qualities of style.

Advanced (or University) Work.

JUNIORS (of all Departments).—History, and general view of English Literature; the critical study of the English of Chaucer and Shakespeare.

Students in the Modern Course, and those in the other courses who elect English, the second and third terms, read critically selections of early English; also later standard authors, as Milton, Bacon, Addison, Wordsworth, Tennyson.

Essays and original orations (nine in all during the year) are required of each member of the class. Each essay or oration is carefully criticised, then rewritten, then, if approved, rehearsed, and finally presented before the students and faculty.

SENIORS (of all departments).—Elements of Criticism. with practice in criticism of authors. Essays and orations before the University —seven exercises in the year, including Commencement part.

X. GERMAN LANGUAGE AND LITERATURE.

PROFESSOR MOORE.

The course may be completed in three years or nine terms. The object of the instructors will be to teach the student the principles of grammar and the use of idioms, and to give him so much practice in pronunciation that, at the end of the course, he may be able to read, write and converse with some degree of facility.

FIRST YEAR.—Campbell's German Course is used in the Fall Term of the first year, followed in the Winter and Spring terms by Anderson's "Ausgewæhlte Mæhrchen" and Gœthe's Hermann and Dorothea in connection with German History and Geography.

SECOND YEAR.—The Fall and Winter terms are devoted to Schiller's "Jungfrau von Orleans" and Gœthe's "Iphigenie auf Tauris" or some similar dramatic work; the Spring term to prose selections.

THIRD YEAR.—The reading consists of Lessing's "Nathan der Weise" followed, in later terms, by the first part of Gœthe's "Faust" and German Literature.

Whitney's German Grammar is used as a text-book in connection with the reading and composition exercises throughout the second and third years.

XI. FRENCH LANGUAGE AND LITERATURF.

PROFESSOR HUGGINS.

Collegiate Department.

French is required of all students of the Modern Course in the First or Sophomore Class, and is optional for the students of the Classical and Scientific Courses. Fasquelle's Grammar and Otto's Reader are the text-books now used with this class.

College of Science, Literature and the Arts.

French is an option for all the students of the Junior Class, and for those of the Senior Class during the first term. Selections from the best modern authors are read, and the usual collateral work is required.

XII. LATIN LANGUAGE AND LITERATURE.

PROFESSOR WALKER.

The requirements for entering the Freshman, or Second Collegiate Class, are :

Latin Grammar and Reader, and with them, Part I. of Latin Prose Composition; four Books of Cæsar, five Orations of Cicero, and six Books of Virgil, with Part II. of Prose Composition.

In connection with the Reader, all declensions and rules for gender, the regular conjugations and a thorough analysis of the verb, and the most important rules of Syntax are required.

In reading the other authors, the student is expected to translate the Latin idioms into proper forms of expressing the thought in English without changing the general structure of the sentence.

The syntax of cases and modes is to be thoroughly studied and applied to all constructions; the principles and words familiarized by oral retranslations and Latin composition. The student should practice pronouncing the Latin, after translating it, till the thought is taken in at sight, as from English words

More importance is attached to thoroughness than to the amount of text passed over.

The studies of the course are :

Collegiate Department.

Second, or Freshman Class,— Livy,—Prose Composition completed, and Roman History begun.

First, or Sophomore Class,—Horace,—Odes, Satires and Epistles; Roman History and Antiquities.

College of Science, Literature and the Arts.

Junior Year—Germania and Agricola of Tacitus, and Satires of Juvenal. Lectures on Roman Literature.

Senior Year—Comedies of Plautus and Terence. Lectures on Roman Law.

XIII. GREEK.

PROFESSOR BROOKS.

The Course of Study embraces text-books in History, Poetry, Oratory, Comedy, Tragedy, and Philosophy, and lectures on the Greek Language, Literature, Religion, Philosophy, and Art. Collateral studies are History, Geography, Mythology, Biography, Customs, &c.

PRINCIPLES AND METHODS.—Greek is pronounced according to the accents, and with the so-called Continental sound of the vowels and diphthongs; a knowledge of grammar and of words proceed together. In translation, the radical meaning of words is to be learned, but the precise signification in the passage rendered is to be given; the thing to be done in translating an author is to give his exact meaning in the best idiomatic, grammatical English; facts, allusions, tropes, history, chronology, mythology, topography, customs, arts, laws, grammatical forms and elements, etymologies, composition of words, are to be attended to: translation of English into Greek is based upon the author read. So far as the author himself is concerned, among the things to be noted are, the chief facts of the author's life; the contemporary history and political condition of the country, and the author's relation to them, and the character of the people; and the expression and logical scope of his thought, and the wisdom, &c., of his views.

XIV. MENTAL AND MORAL PHILOSOPHY.

PROFESSOR CAMPBELL.

Instruction in this department extends through four terms, beginning with Psychology the third term of the Junior year. The exercises occur five times each week, one-half of the hour being occupied with a text-book recitation, and the other with a lecture on the topic in hand. The subject is investigated empirically, and is introduced by the lectures on theoretical Philology, the preceding term, and followed by the study of Philosophy proper. This subject, [Ontology] is taken up in a course of lectures, occurring five times a week, the first term of the Senior year. It is pursued historically, and particular attention is directed to the Philosophies of Plato and Aristotle, Kant and Hegel, requiring translation of extracts from the Greek or German, as the case may be. The history closes with a discussion of the present condition of Philosophy in the leading Universities of the world. The development of Philosophy proper is followed by lectures on Ethics and the Evidences of Revealed Religion, occurring five times per week, during the second term of the Senior year. The under-graduate instruction in this subject closes the third term (Senior) with a course of twelve lectures on Natural Theology. This course of lectures is optional in all cases. The other subjects in this department are required in each of three courses in the COLLEGE OF SCIENCE, LITERATURE AND THE ARTS, and optional for the other colleges.

XV. COMPARATIVE PHILOLOGY.

PROFESSOR CAMPBELL.

Properly speaking, the instruction in Comparative Philology is reserved for the post-graduate courses. As introductory to such instruction, a course of twenty lectures on Philology (theoretical), commonly called the Science of Language, is given during the second term of the Junior year. These lectures cover the following general subjects: The Philosophy of Grammar; Language as spoken and heard; Language as written and seen; The Laws of Inflection; The Roots; History of Philology; The Literature of Philology.

XVI. HISTORY.

ASSISTANT PROFESSOR LAING.

The Department of History has recently been organized, having been detached from the Department of English Language and Literature.

Collegiate Department.

Applicants for admission to the Fourth Class are examined in the History of the United States,)Swinton's "Condensed History of the United States", or equivalent.) As arranged for the *next* year, the following schedule will be followed:

The Scientific and Modern Sections of the Fourth Class, First Term, History of England.

The whole Fourth Class, the Third Term, Outlines General History.

The Scientific and Modern Sections of the Third Class, the Second and Third Terms, Modern History.

Greek and Roman History, for the present, remain in charge of the Professors of Greek and Latin.

The Junior Class take Guizot's History of Civilization three times a week, the Second Term.

In the Philosophy of History no special work is done. As far as possible, it is combined with Guizot and the regular work of the various classes.

Aside from the text-books, frequent lectures are given, and it is intended to give special prominence to this class of work.

XVII. SOCIAL SCIENCE.

MR. FOLWELL.

Political Economy is taught to the Seniors in the Second Term chiefly by conversational lectures. This subject is required of all students of the College of Science, Literature and the Arts, and is electlve for those of other colleges. The library is well supplied with the standard authors on Political and Social Science. The aim of the instructor is to present clearly and fairly the history of the science and to thoroughly inculcate established principles. On disputed topics the conflicting views are brought out with all possible impartiality.

To this department are attached International Law and Civil Government, including the state and national Constitutions—the former an option with the Senior Class—twice per week for the Third Term ; the latter required in the Scientific and Modern Courses of the Senior Year, three times per week for the Second Term. These are in charge of the Professor of History.

XVIII. ELOCUTION. See "English Language," &c., *supra.*

XIX. PUBLIC HEALTH.

PROFESSOR HEWITT.

A course of lectures on Sanitary Science is offered to the Seniors of all departments, the third term. The topics embraced are such as: Personal Hygiene as depending on soils, water, air, food, clothing, etc.; Public Hygiene including sewerage and drainage of towns, heating, lighting and ventilation of dwellings and public buildings; epidemic diseases, intemperance, &c.

The Physiology taught at present to the lowest class of the Collegiate Department, is inclnded in this department of instruction.

XX. MILITARY SCIENCE.

PROFESSOR HUGGINS, U. S. A.

SEC. 26. *And be it further enacted*,, That for the purpose of promoting knowledge of military science among the young men of the United States, the President may, upon the application of an established college or university within the United States, with sufficient capacity to educate at one time not less than one hundred and fifty male students, detail an officer of the army to act as president, superintendent, or professor of such college or university; that the number of officers so detailed shall not exceed twenty at any time, and shall be apportioned through the United States, as nearly as practicable, according to population, and shall be governed by general rules, to be prescribed from time to time by the President.

In compliance with the foregoing section of an act of Congress approved July 28th, 1866, the President has detailed an officer of the army as Professor of Military Science at this University. The Government has also furnished 150 light breech-loading rifle muskets, with accoutrements complete, similar to those in use by cadets at the U. S. Military Academy, and a section of artillery, with equipments, for instruction in the school of the piece and battery. Instruction is given in the schools of the soldier, company, and battalion; drill, parade, review, and other ceremonies. By action of the Board of Regents, military exercises are required of all male students of the Collegiate Department, and are optional in the other classes. The course of Theoretical Instruction is optional.

XXI. CIVIL ENGINEERING, MECHANICAL ENGINEERING, ARCHITECTURE, INDUSTRIAL DRAWING, &c.

See COLLEGE OF MECHANIC ARTS.

XXII. THEORY AND PRACTICE OF AGRICULTURE, VETERINARY SCIENCE, &c.

See COLLEGE OF AGRICULTURE.

REQUIREMENTS FOR ADMISSION.

The University is open free of all charges for tuition, upon equal terms to all persons over fourteen years of age, whether residents of the State or not, who may pass the required tests and examinations.

The faculties occasionally exercise the power of waiving the ordinary examinations in the cases of applicants of advanced age who desire instruction in special studies. These applicants must, however, submit to such tests as may be necessary to enable the Professors concerned to decide whether they are competent to receive the desired instruction.

Applicants for advanced rank must be examined in the subjects gone over by the class and section which they desire respectively to join. Real equivalents are accepted.

Applicants for admission to the advanced or University courses proper, as candidates for degrees, are examined in all the studies of the appropriate courses in the Collegiate Department.

The Collegiate Department being the usual avenue to the advanced courses and Colleges, the requirements for admission are more particularly stated.

I.

ALL applicants for admission to the COLLEGIATE DEPARTMENT are examined in the following elementary studies:

READING, WRITING, SPELLING;
ENGLISH GRAMMAR (including ANALYSIS),
ARITHMETIC AND ELEMENTARY ALGEBRA,
GEOGRAPHY AND UNITED STATES HISTORY.

Those intending to pursue the Latin Language are also examined in the Latin Grammar, Reader, and Composition, (Part I.)

Successful examinations in the above-named studies will admit to the lowest class, at the beginning of the next University year (1875—6) but NO LONGER.

II.

From and after the *end* of the next University year (1875-6) applicants for admission to the lowest class (THIRD) will be examined as follows:

1. All applicants; in the elementary studies given above, in English Composition and Rhetoric (Hart's or equivalent), in Algebra to General Theory of Equations, and in the outlines of General History.

2. Those selecting the CLASSICAL Course will be further examined in Cæsar's Commentaries (four books), Cicero (five orations), in Greek Grammar and Reader, and Xenophon's Anabasis (eight chapters of Book I.)

3. Those selecting the SCIENTIFIC Course will be examined in Physical Geography, Natural Philosophy, Physiology, Free Hand Drawing; also

In History of England, Study of Words (Trench, or equivalent.), and Elementary Astronomy. In place of the last three, applicants may offer either the Latin *or* Greek required for the Classical Course above.

4. Those selecting the MODERN Course will be further examined in History of England, Higher English Grammar and Physiology: also in the Latin *or* Greek required for the Classical Course; but applicants may offer in lieu of the Latin or Greek, the following scientific studies: Physical Geography, Natural Philosophy, and Elementary Astronomy.

The studies named are those which will be pursued in the Fourth Class during the next year only (1875–6), after which, by order of the Board of Regents, that class will be dropped.

Arranged in tabular form, these studies stand:

TERM.	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST.	1. Greek Grammar (begun). 2. English Composition. 3. Cæsar,—*Gallic War*.	1. Physical Geography. 2. English Composition. 3. History of England, or Cæsar, *Gallic War*, or Greek Grammar.	1. History of England. 2. English Composition. 3. Physical Geography, or Cæsar, *Gallic War*, or Greek Grammar.
SECOND.	1. Greek Grammar, *continued*. 2. Algebra. 3. Cæsar,—*continued*.	1. Natural Philosophy. 2. Algebra. 3. Study of Words, *French*, or Cæsar, *continued*, or Greek Grammar.	1. Study of Words, *French*. 2. Algebra. 3. Natural Philosophy, or Cæsar, *continued*, or Greek Grammar.
THIRD.	1. Xenophon,—*Anabasis*. 2. General History. 3. Cicero,—*Orations*.	1. Physiology. 2. General History. 3. Elementary Astronomy, or Cicero, *Orations*, or Xenophon,—*Anabasis*, Free-Hand Drawing.*	1. Physiology. 2. General History. 3. Elementary Astronomy, Cicero,—*Orations*, or Xenophon,—*Anabasis*.

*Optional in other courses.

The Third Class will next be dispensed with at no distant time, although no date has been fixed for its discontinuance. It is therefore deemed advisable to state

III.

the requirements for admission to the

SECOND, OR FRESHMAN CLASS.

1. ALL APPLICANTS will be examined in the elementary studies already given: Reading, Writing and Spelling, English Grammar including Analysis; Arithmetic and Elementary Algebra;

Geography and United States History; also in English Composition and Rhetoric (Hart's or equivalent); Algebra, Complete to the General Theory of Equations; Outlines of General History, (Swinton, or equivalent,) Plane Geometry, Geometrical Drawing and Elements of Geology. Those intending to pursue the Latin Language, will be examined in the Latin Grammar and Reader, and in the First Part of Composition.

2. Examinations additional to the above will be required according to the course of study which the applicants may respectively choose, as follows:

(1.) For the CLASSICAL Course, in

Cæsar's Commentaries (4 Books), Cicero (5 Orations), Virgil's Æneid (6 Books).
Greek Grammar and Reader, Xenophon's Anabasis (3 Books), Herodotus (8 Chapters).
History, Geography, &c., of the authors named.
Also in Botany (Gray).

(2.) For the SCIENTIFIC Course in

Physical Geography, Natural Philosophy, Physiology, Botany, Free-Hand Drawing, Elementary Astronomy (the last optional); also in

History of England, Study of Words, (Trench, or equivalent,) Higher English Grammar, (Fowler, or Latham,) Modern History. In place of these studies in English, applicants may pass in the Latin *or* Greek required for the Classical Course. In place of the Higher English Grammar and Modern History, the German required for the Modern Course, as given below, may be offered.

(3.) For the MODERN Course in

German Grammar and Reader, and Schiller's Wilhelm Tell (or equivalent), History of England, Physiology; also the same Latin *or* Greek required for the Classical Course, but applicants may in lieu thereof, offer the following studies: Physical Geography, Natural Philosophy, Elementary Astronomy, Modern History.

ARRANGED ACCORDING TO SUBJECTS, the requirements for admission to the SECOND or FRESHMAN CLASS stand as follows:

1. MATHEMATICS:—Arithmetic Complete; Algebra Complete, except the General Theory of Equations, Plane Geometry [and Geometrical Drawing]. Required in all courses.

2. NATURAL AND PHYSICAL SCIENCES:—(1) Required in all courses—Geography, Elements of Geology. (2) Rein addition:—

   For the Scientific Course—Physical Geography, Natural Philosophy, Physiology and Botany; Elementary Astronomy (the last optional);—

   For the Classical Course—Botany;—

   For the Modern Course—Physiology;—

3. HISTORY:—(1.) History of the United States, and Outlines of General History, for all courses. (2) Required in addition:—

   For the Scientific Course, when no language other than English is taken — History of England, Modern History;—

   For the Modern Course--History of England; Optional for same course with Latin *or* Greek, Modern History.

4. LANGUAGES.

(1.) *English.*—A. For all Courses,—Reading, Writing, Spelling, English Grammar including Analysis, Composition and Rhetoric. Applicants will be required to write a short theme or narrative on a subject assigned at the time. B. Required in addition:

For the Modern Course—Higher English Grammar.

For the Scientific Course, when no language other than English is taken—Higher English Grammar.

(2.) *German.*—Grammar and Reader, Schiller's Wilhelm Tell (or equivalent). Required for Modern Course; optional for Scientific.

(3.) *Latin.*—Grammar, Reader and Composition; Cæsar's Commentaries, 4 Books; Cicero, 5 Orations; Virgil's Æneid, 6 Books; with the History and Geography of the authors. Required for Classical Course only; optional for the others.

(4.) *Greek.*—Grammar, Reader and Composition, Xenophon, Anabasis, 3 Books; Herodotus, 30 Chapters; with the History, Geography, &c. of the authors. Required for the Classical Course only; optional for the others.

Candidates may find it convenient to refer to the table of FOURTH CLASS studies given above, and to the tabulated courses of study for the THIRD CLASS, as given hereafter.

Applicants for the FIRST, or Sophomore Class, will be further examined in the studies of the chosen courses in the SECOND CLASS.

EQUIPMENT.

GROUNDS.

The University is situated in the East Division of the city of Minneapolis, about one mile below the FALLS OF SAINT ANTHONY, on an elevated bluff in full view of the same. The grounds are about twenty-five acres in extent, undulating in surface and well wooded with native trees. Plans for the embellishment of the grounds have been made by Messrs. Cleveland and French, "Landscape Architects," Chicago, and will be carried out so fast as the means can be afforded. Meantime, such are the natural advantages of situation and contour, they are very attractive.

The Experimental Farm of the Agricultural College is situated a short distance below, near the east bank of the Mississippi. For description see "College of Agriculture."

BUILDINGS.

The general plan of the buildings contemplates a central academic building, and grouped around it, additional structures for the separate departments or colleges. Up to the present time the whole work of the institution has been carried on in the old building, erected many years ago as a portion (west wing) of a central building. During the past year a large addition has been erected, which will be available for use the next year. The old part has been repaired and renovated, to correspond, so far as possible, with the new portion. These structures, old and new, constitute the

MAIN OR ACADEMICAL BUILDING.

This building is 186 feet in length and 90 in breadth exclusive of porches, having three stories above the basement. The walls are of blue limestone and the roofs of tin and slate. The rooms, fifty-three in number, as well as all the corridors, are heated by an efficient steam apparatus, and are thoroughly ventilated. Water and gas are supplied wherever needed. The Assembly Hall, in the third story, 87x55 feet and 24 feet high, will seat with great comfort 700 people, and 1,000 can be accommodated. In addition to class rooms for various departments of instruction, suitable rooms are set apart for the Museum, the Library and Reading room, the Literary Societies, etc.

THE AGRICULTURAL COLLEGE.

This is the first of the special buildings for the separate colleges. It is of brick on a basement of blue stone, 146x34 feet. The central portion is two stories in height. The south wing, 46x25 feet, is a plant house of double sash and glass. The north wing contains the Chemical Laboratory. There are class rooms for Chemistry and Agriculture, and private laboratories for the professors. The whole building will be heated by steam, except the plant house, by hot water. In the second story will be two large rooms, one for the Industrial Museum, the other for a Lecture Hall.

THE CHEMICAL LABORATORY.

This laboratory occupies five rooms in the north wing of the Agricultural College. (1) The main students' laboratory, 22x45 feet. It contains eight tables, accommodating sixty-four workers in two sections or reliefs. Each table has water, gas, sink, shelving for reagents, drawers and cupboards for apparatus, all of the most approved construction. Between the tables, in the outside walls, are ventilating hoods of an improved form, suggested by the professor of Chemistry. (2) The chemical recitation room adjoining, provided with lecture table and all appurtenances necessary for effective illustration of lectures on Chemistry and Technology. (3) The apparatus room, provided with cases for storing apparatus, and tables for the balances. (4) The professor's private laboratory, a small room, but one well adapted to the purpose. (5) A room in the basement fitted up for assay and furnace work. All the rooms except the last are on one floor, are well lighted and ventilated, and communicate with each other in a convenient manner. The University is now able to offer ample facilities for successful study and instruction in both General and Analytical Chemistry, and in the allied branches of study. Persons desiring analyses made should address Prof. S. F. Peckham.

THE PHYSICAL LABORATORY.

In the main building, the rooms devoted to the Department of Physics are so arranged and furnished that students desiring to make a specialty of Physics, can have opportunity to use the apparatus, and perform their own experiments. In addition a small room has been set apart for a lathe and work bench. Students are permitted to construct models and apparatus. Excellent specimens have been already produced.

THE MINERALOGICAL LABORATORY.

Tables and apparatus sufficient for the use of twelve workers at a time, have been provided in Room 50, main building. Additions will be made as required.

DRAWING ROOMS.

Room 52 in the main building, 47x30x16 feet, is furnished with stout wooden tables for the use of the classes in Geometrical and Free Hand Drawing. There are also cases and cabinets for holding drawings and drawing boards. A considerable collection of prints, drawings, and models for lessons and illustrations, has been made.

Room 44 is provided with the Worcester Adjustable Drawing Tables of wood and iron, for the use of the classes in Descriptive Geometry, Engineering and Architecture.

MUSEUMS.

The GENERAL MUSEUM comprises the collections of the Geological and Natural History Survey of the State, augmented by purchases and donations. It has lately been enriched by the addition of specimens of some of the larger mammals of the Northwest, procured by the Curator during the exploration of the Black Hills of Dakota by Major General Custer, and by a full set of Prof. Henry A. Ward's casts of celebrated fossils, secured through the generosity of citizens of Minneapolis. On the completion of the new building the general Museum will be opened in Room 51, which will be fitted with such cases and furniture as may be necessary. Contributions may be addressed to Professor N. H. Winchell, Curator.

The INDUSTRIAL MUSEUM will be accommodated in the Agricultural College building. Contributions may be addressed to Professor Chas. Y. Lacy.

The collections of Patent Office models, and the Schrœder Models for Descriptive Geometry, are already displayed in substantial cases in Rooms 12 and 44. The collection of seeds and grains is temporarily stored in Room 12.

APPARATUS.

No attempt has been made at display, but great pains have been taken to procure for the various departments the essential instruments and materials for illustration. In addition to articles referred to in previous statements may be mentioned: a transit, Y level, compass, chains and tape measures, and a full set of drawing instruments for the Department of Civil Engineering; a variety of geographical maps, ancient and modern; globes, charts, geometrical models, etc.

THE LIBRARY.

The number of bound volumes has reached nearly 10,000, and additions are constantly being made. Besides the books purchased of booksellers, the following collections have been acquired:

(1) The Robertson Collection of 1,200 volumes, purchased from Col. D. A. Robertson, of St. Paul, formerly a professor in the University. This collection is rich in works on American History, Arctic Travel and Discovery, Ethnography and Political Economy.

(2) The Campbell Collection of 2,800 volumes, selected by Professor Campbell in London, Berlin, Florence, and other cities of Europe. This embraces many French, German, and Italian works. The subjects most numerously represented are Philology, Philosophy, and Social Science, General Literature, History and Biography.

(3) The Tappan Collection, comprising 2,500 volumes from the private library of the Rev. H. P. Tappan, D. D., LL. D., ex-president of the University of Michigan. This collection contains choice and valuable editions of standard English authors, numerous works on philosophical subjects, and many reviews and works of reference.

The miscellaneous purchases have been confined to Encyclopœdias, Dictionaries, Bibliographical material, and works of first necessity for the various departments of instruction. Among the public documents are to be found sets, complete or nearly so, of the Smithsonian publications, the Coast Survey Reports, the Survey of the Pacific Railroad, Schoolcraft's Indian Tribes, and Reports of the Geological Surveys of Canada, and of several of the States.

The printed alphabetical catalogue of authors contains the titles of all the bound volumes except the public documents and the Tappan Collection. The catalogue of authors of this collection, and the alphabetical catalogue of subjects of all the books (except public documents) are on slips ready for printing.

The Library and Reading Room will occupy rooms 18, 20, 22, and 24 in the first story of the main building. The books will be shelved according to a simple classification, upon the so-called "elastic system," which allows additions indefinitely, without disturbing the existing arrangement and numbering.

The Library is open to everybody every day except Sundays and holidays, from 7½ A. M. to 5½ P. M. Students are allowed to borrow books for home reading, to be kept fourteen days; but works marked in the catalogue with a *, comprising books of reference, illustrated works, and rare and costly books, can not be removed. These works, as well as all others, may be read and consulted during the same hours in the

READING ROOM.

A number of periodicals are also to be found here; among them are the following:

QUARTERLY.—

The Journal of Speculative Philosophy, the New Englander, The North American Review, The Edinburgh Review, The North British Review, The Westminster Review, The London Review.

SIX TIMES A YEAR.—The International Review.

MONTHLY.—

The American Journal of Science and arts, The Agriculturist, The Journal of the Franklin Institute, Appleton's Popular Science Monthly, Scribner's New Monthly, Harper's New Monthly, The Sunday Magazine, Blackwood's Magazine, The Eclectic Magazine, Van Nostrand's Engineering Magazine.

WEEKLY.—

Littell's Living Age, The Nation, The New York Tribune, The Nordisk Folkeblad, The Farmer's Union, The Prairie Farmer, The Canada Farmer, Illustrirte Zeitung (Leipzig), Harper's Weekly, Army and Navy Journal, Official Gazette U. S. Patent Office, &c., &c.

SEMI-WEEKLY.—New York Evening Post.

DAILY.—

Minneapolis Tribune, St. Paul Pioneer-Press, War Department Weather Map, &c.

GENERAL INFORMATION.

ACCESS.

The University of Minnesota is accessible by means of all conveyances centering in the cities of Saint Paul and Minneapolis.

HOW TO ENTER THE UNIVERSITY.

1. Apply personally or by mail to the president for a blank "application," and have it properly filled up, dated and signed.

2. Previous to the time appointed for the examinations, present your application at the president's office, and receive a numbered examination ticket. By this number alone you will be known to the examining professors.

3. Report promptly for examination at the time and place announced, and attend the sessions punctually, observing such directions as may be given.

4. At an appointed hour after the close of the examinations, the successful numbers will be announced.

5. The successful applicants will, upon payment of the annual fee of five dollars for incidental expenses, receive a registration card, which will admit them to their classes.

Applicants who do not present themselves at the appointed time, can only be examined by permission of the proper faculty, to whom application in writing must be made, stating the reasons for absence.

BOARDING.

THE UNIVERSITY HAS NO DORMITORIES, except for a few employes. This is a matter both of necessity and of policy; of necessity, because the State has not been able to furnish money to build dormitories; of policy, because it is thought better for the students to be distributed among the people of the university city, amenable to the common laws and sentiment of society. The public bounty stops at furnishing free instruction, leaving to private hands the providing of maintenance.

Three methods of boarding are practiced. (1) Self boarding, by individuals, or, more commonly, by small groups or colonies composed of members of the same family, or of neighboring families. Rooms are hired, and furniture, provisions and fuel brought from home. When well managed this is an excellent and very economical mode of living. Two dollars a week per pupil may be set down as the cost. (2) Club boarding. This has been practiced for several years, and is well organized. The Pillsbury Club occupy the two buildings erected by Regent Pillsbury one and two years ago, on Fourth street between 13th and 14th avenues. The rooms, 16 in number, large and well-lighted, are rented for a sum sufficient to pay repairs and taxes. The occupants organize and operate the boarding club. The price of board has never exceeded $2.50 per week. A respectable family reside in one of the buildings, and the proprieties of civilized life are therefore observed. (3) Boarding in families. The difficulties formerly encountered in procuring suitable places for students desiring to board in families are fast disappearing. Good board can be found at reasonable prices, ranging from $3.50 upwards. A list of families willing to receive student boarders, is posted on the bulletin board at the beginning of the year; also one of "rooms to let."

EMPLOYMENT.

The UNIVERSITY CAN NOT PORMISE EMPLOYMENT to all who desire to earn their living. The few places it can offer are always in the hands of old students; new comers cannot expect to get them. The following advice, deduced from the observations of several years, is offered to young persons of limited means who want an "education:"

1. If possible, learn a good trade or art before coming to the University. Your chances for work will be greatly increased, and you can get better wages.

2. Bring some money, fifty dollars at least, on which to live until you find work.

3. If you want work you must look for it. It will not come to you at first. Be active, resolute and enterprising.

4. If you have "to pay your way" through college, resolve to take years enough to do it well without ruining your health.

The following are some of the employments or capacities in which students have been engaged:

(1) Teaching in city and country schools, and in Teachers' Institutes.
(2) Teaching private pupils and classes in general studies.
(3) Teaching specialties, such as Music, French, Drawing, &c.
(4) Land Surveying, Government Surveying, Railroad Surveying.
(5) Map Drawing and Copying.
(6) Care of churches and public school buildings.
(7) Market Gardening and Dairying.
(8) General " chores" at private houses.
(9) Work on the Experimental Farm.
(10) House Painting, Wood Turning, Paper Hanging, Carpentry, Type-setting, Taxidermy, Tuning Pianos.
(11) Salesmen, Book Agents, Choristers, Sunday School Superintendents, Newspaper Carriers.
(12) Librarians, Clerks, Bell Ringers, Firemen, Sweepers, Teamsters, &c.

EXPENSES.

These depend so much upon the tastes and habits of individuals that no general estimate can safely be made. In some cases young men have lived comfortably on $160 for the University year.

TUITION IS FREE IN ALL DEPARTMENTS. The only university charge is the annual fee of $5.00 for incidental expenses. This fee must be paid before the student can join his classes, and no deductions are made for absence or late entrance.

Students provide their own books and stationery. The Society expenses are small.

DAILY ROUTINE.

The forenoon of each week day except Monday is occupied with recitations and lectures. In the afternoon take place the military exercises, work in the laboratories, on the farm and in the plant house, field work in surveying and engineering, and so much of the drawing as cannot be done in the forenoon.

The morning session opens with the Assembly, not earlier than 8 o'clock, and closes not later than 1 P. M. Brief and simple devotional exersises are held at the Assembly, and one or more rhetorical exercises are performed by members of the upper classes.

Students who room at a distance, are permitted to occupy a "Study Hall" during the hours in which they have no recitations.

DISCIPLINE.

Students of the various Departments or Colleger are amenable to their respective Faculties.

The University presumes that every member intends to do his duty and to behave himself decently. Good order, courtesy, punctuality, and attentiveness, are established customs of the

University, which the student body takes pride in maintaining. The few cases of misdemeanor which occur are dealt with individually by the Faculties.

STUDENT SOCIETIES.

The following Literary Societies have been recognized by the General Faculty:

The Students' Christian Association;
The Delta Sigma Society;
The Hermean Society;
The Philologian Society.

Each of the first three is provided with a room for its exclusive use.

The orator of the united literary societies for the year (1874–5) is Rev. D. Burt, State Superintendent of Public Instruction and Regent *ex officio*.

THE GEOLOGICAL AND NATURAL HISTORY SURVEY.

The University is charged by law with the work of the Geological and Natural History Survey of the State, under the direction of the Board of Regents. This survey has now been in progress three years, but has been confined principally to the geological portion of the work. The professors of the University are selected by the Regents for carrying on the various branches of the survey, and the General Museum is the repository and place of exhibition of the collections made during its progress.

The law creating this survey is comprehensive. It embraces not only a strictly geological survey, including a complete account of the rocks and minerals of the State, and their chemical analysis, but also a natural history survey, comprising an examination of all species of trees, shrubs, herbs and grasses, native or naturalized, and a complete account of the animal kingdom, as represented in the State, including all mammalia, fishes, reptiles, birds and insects. It also orders the tabulation of meteorological statistics, and an investigation of the climatic peculiarities of Minnesota. It orders the collection of topographical and hypsometrical data, and the compilation of an accurate map, which, on the approval of the Governor, is to be the official map of the State. The law also requires an exhibition of all collections made during the progress of the survey, in the buildings of the University, for public inspection, free of cost, in well-warmed and furnished rooms. The Regents make annual reports of progress, and, on the completion of any portion of the work, final reports are to be made to the Governor.

The Legislature has made an annual appropriation of two thousand dollars, and has set aside the remainder of the State salt spring lands, for the prosecution of this work.

The geological survey, including the mineralogical and chemical investigations, now in progress, is placed in charge of the professor of Geology and Mineralogy, assisted by the professor of Chemistry.

The botanical and zoological investigations, not yet systematically undertaken, are also assigned to the charge of the professor of Geology and Mineralogy.

The topographical work, so far as it is carried on independently, is assigned to the professor of Civil Engineering.

The arranging, cataloguing and custody of the specimens, and their exhibition, are assigned to the Curator of the General Museum.

SOCIETY OF ALUMNI.

ARTICLES OF ASSOCIATION.

I. The Alumni of the University of Minnesota, in order to perpetuate fellowship among themselves and loyalty to their Alma Mater, and to promote in every proper way the prosperity of the University, hereby constitute themselves an association, to be known and styled as the "SOCIETY OF ALUMNI OF THE UNIVERSITY OF MINNESOTA.

II. All graduates of the University of Minnesota are entitled to membership in this society; all members of the General Faculty are honorary members.

III. This society shall meet annually, on the day before Commencement, at 10 o'clock in the forenoon.

IV. There shall be elected at each regular meeting, the following officers for the ensuing year, to wit: a President and a Secretary and Treasurer.

V. This society has power to enact such by-laws as may be necessary to give these articles effect.

VI. These articles may be changed or enlarged at any regular meeting, by a majority vote of the members present.

OFFICERS FOR 1875–6.

S. P. STARRITT, Monticello, President;
HELEN MAR ELY, Mankato, Secretary and Treasurer.

THE COLLEGIATE DEPARTMENT.

THE COLLEGIATE DEPARTMENT.

THE FACULTY.

This Department is under the immediate control of the General Faculty of the University. See page 13.

STUDENTS, 1874-5.

FIRST CLASS.

CLASSICAL COURSE:—Messrs. Campbell, Childs, Currie E., Eustis Frank, Eustis Fred, Eustis J. B., Mahoney, Perkins, Savidge, Thayer M. D., Welles.

SCIENTIFIC COURSE:—Messrs. Hendrickson A. P., Irwin, Kassube, Quinn, Smith H. J.

MODERN COURSE:—Misses Campbell M. J., Parker, Rollit C. A.

SECOND CLASS.

CLASSICAL COURSE:—Messrs. Bryant J. C., Busch, Colwell, Foster, F. H., Lewis, Newton, Pritchard, Ward, West, Willes, Williams D.

SCIENTIFIC COURSE:—Alexander, Bushnell, Butts, Couillard C. A., Couillard F. L., Howe, Howell, Hurlbut, Marvin, Rose, Taylor M. D., Warren, Wedge, Wood, Young; Misses Getchell, Hall A. W., Rich, Robinson, Roe.

MODERN COURSE:—Messrs. Chamberlain, F. A., Le Blond; Misses Fuller, Kirkwood, Perkins, Wilcox H. J., Wilcox M. E.

THIRD CLASS.

Classical Course:—Messrs. Columbia, Hudgins, Kolkin, McCord, McKean, Thayer H. W., Thompson G. B.

Scientific Course:—Messrs. Aldrich, Barrett, Barto, Bowman, Brackett, Brooks D. D., Bryant G. E., Buswell, Clark F. H., Collom, Day, Eastman, Goodrich C. G., Greer, Hale, Johnson J. F., Johnson S. P., Keating, McComb, McMurphy, Markell, Mealey, Nagle, Partridge, Piper, Preston Putnam, Rand, Thompson E. R.; Misses Brockway, Burns C. A., Burnes D., Gilbert, Hayes C. A., Hayes N., Hyde, Knaak J. W. M , Knaak, M. E., Newton, Shoppe, Town, West.

Modern Course:—Messrs. Cole C., Hildreth, Keysor; Misses Cooney, Cowell, Linton, Pierson, Rollit Caroline.

FOURTH CLASS.

Classical Course:—Messrs. Brooks A. P., Bryant J. F., Cole A. J., Huy, McNulty, Palmer, Plant, Salls, Shillock, Williams, W. W.; Miss Knox.

Scientific Course:—Berry F. C., Berry F. G., Bennett, Boylston, Chamberlain W. E., Cooney, Currie W. A., Davis, Dawley, Fairfield, Foster O., Foster H. W., Foster Wm., Goodrich, H., Granum, Greeley, Grœnendyke, Gunderson, Henry, Hern, Hewes, Hinton, Holt, Hubbard, Jackman, Jackson, Laramy J. H., Laramy J. Y., Locke S. A., Locke D. A., Loring, Olsen, Peterson, Roe, Smith E. S., Smith F. A., Sterling, Trumble, Upton E. F., Upton W. A., Vincent; Misses Bragdon, Hall F. E., Hewes, Kelly, Mansfield, McLeod, Neher, Savage, Stanchfield, Stoneman, Thompson, Todd, Valentine, Whittier.

Modern Course:—Messrs. Colburn, Horton, Thomas, Walker; Misses Campbell M. A., Clough, Coolbaugh, Lawrence, Parke, Perley.

SPECIAL STUDENTS:—Messrs. Goff, Heywood, Husher, Hulet, Johnson C. E., McLarty, McLellan, Reppy, Smith G. M., Taylor W. L., Thayer B., Wilcox, H. M.; Misses Childs, Dare, Johnson M. E., Maes, Reiheldaffer, Roberts, Secombe, Whitney.

ADMISSION.

The requirements for admission have been fully stated on pages 52, &c. See also page 64, "How to enter the University."

Candidates are requested to send their applications to the President as early as September 1st.

The regular entrance examinations begin on the second day of each University year. Candidates not presenting themselves at this time, apply in writing to the General Faculty for permission to be privately examined, stating satisfactory reasons for not attending at the proper time. For dates, see calendar, page 7. Examinations for entrance are commonly held at the beginning of the second and third terms, and in commencement week. Applicants for special studies in this Department are examined in the elementary branches named on page 52.

OBJECT.

The object of this Department is to furnish such discipline and information as will fit the student to pursue the higher academical studies of the COLLEGE OF SCIENCE, LITERATURE AND THE ARTS, or to enter upon the professional courses now offered in the COLLEGES OF AGRICULTURE and MECHANIC ARTS, and hereafter to be offered in Colleges not yet opened.

COURSES OF STUDY.

There are three courses of study: the Classical, the Scientific, and the Modern. Each student completing a course receives a Final Certificate, which admits him to any appropriate College of the University, at the beginning of the Junior Year.

The following schedules do not include rhetorical, military, and other exercises, which are held according to appointment, from time to time.

The studies of the Fourth Class have been already given, under the head of "Requirements for Admission," on page 54.

THIRD CLASS.

	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST TERM.	1. Xenophon,—*Anabasis*.	1. Natural Philosophy.	1. German, (*begun*),
	2. Plane Geometry.	2. Plane Geometry.	2. Plane Geometry.
	3. Cicero,—*Orations*.	3. English, *Hgr. Grammar*, German,—(*begun*), or Cicero,—*Orations*, or Xenophon,—*Anabasis*.	3. Natural Philosophy, or Cicero,—*Orations*, or Xenophon,—*Anabasis*.
SECOND TERM.	1. Herodotus,—*History*.	1. Drawing, 2 hours.* (Geometrical.)	1. German,—*Grammar*.
	2. Geology,—*Elements*.	2. Geology,—*Elements*.	2. Geology,—*Elements*.
	3. Virgil,—*Æneid*.	3. Modern History, or German,—*Grammar*, or Virgil,—*Æneid*, or Herodotus,—*History*.	3. Modern History, or Virgil,—*Æneid*, or Herodotus,—*History*.
THIRD TERM.	1. Botany,—*Elements*.	1. Botany,—*Elements*.	1. German,—*Selections*.
	2. Higher Algebra.	2. Higher Algebra.	2. Higher Algebra.
	3. Virgil,—*Æneid*.	3. Modern History, or Virgil,—*Æneid*, or German,—*Selections*.	3. Modern History, or Virgil,—*Æneid*, or Botany,—*Elements*.

*Required of whole class one hour as an exercise.

SECOND CLASS.

	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST TERM.	1. Homer,—*Iliad.*	1. Molecular Physics.	1. German,—*Schiller.*
	2. Solid Geometry, and Plane and Spherical Trigonometry.	2. Solid Geometry, and Plane and Spherical Trigonometry.	2. Solid Geometry, and Plane and Spherical Trigonometry.
	3. Molecular Physics.	3. English,—*Anglo Saxon*, or German,—*Schiller*, or Homer,—*Iliad.*	3. Molecular Physics, or Homer,—*Iliad.*
SECOND TERM.	1. Homer,—*Iliad.*	1. Draughting (2 hours).	1. German,—*Goethe.*
	2. General Chemistry.	3. General Chemistry.	2. General Chemistry.
	3. Livy,—*History.*	3. Zoology,—*Elements*, or German,—*Goethe*, or Livy,—*History*, or Homer,—*Iliad.*	3. Zoology,—*Elements*, or Livy,—*History*, or Homer,—*Iliad.*
THIRD TERM.	1. Grecian Antiquities.	1. Applied Chemistry.	1. German,—*Prose Selections.*
	2. Conic Sections and Surveying.	2. Conic Sections and Surveying.	2. Conic Sections and Surveying.
	3. Livy,—*History.*	3. English,—*Readings*, or German,—*Selections*, or Livy,—*History*, or Grecian Antiquities.	3. Applied Chemistry, or Livy,—*History*, or Grecian Antiquities.

FIRST CLASS.

	Classical Course.	Scientific Course.	Modern Course.
First Term.	1. Horace,—*Odes* and *Satires*.	1. Mechanical Physics. 2. Analytical Chemistry.	1. French (*begun*).
	2. Logic.	3. Logic.	2. Logic.
	3. French (*begun*) or Analytical Chemistry, or German (*begun*) or Military Engineering.	4. French (*begun*), or Horace,—*Odes, &c.*, or Military Engineering.	3. Analytical Chemistry, or Horace, *Odes, &c.*, or Military Engineering.
Second Term.	2. Demosthenes,—*Philippics*.	1. Descriptive Geometry.	1. French (*continued*).
	2. Descriptive Astronomy.	2. Descriptive Astronomy.	2. Descriptive Astronomy.
	3. Horace,—*Satires and Epistles*.	3. French (*continued*) or Horace,—*Epistles*, or Demosthenes, or Military Engineering.	3. Horace,—*Epistles* or Demosthenes, or Military Engineering.
Third Term.	1. Greek.—*One Tragedy*.	1. Descriptive Geometry and Perspective.	1. French,—*Selections*.
	2. Rhetoric.	2. Rhetoric.	2. Rhetoric.
	3. Zoology, or French,—*Selections* or German (*continued*).	3. Zoology, or French,—*Selections*, or Greek,—*a Tragedy*.	3. Zoology, or Greek,—*a Tragedy*.

EXAMINATIONS.

In each term there are, in the Collegiate Department, two special examinations held at intervals of about four weeks, and one general examination, occurring at the end of the term. The scholastic standing of the students depends on their success in these examinations, the marks for which are so combined that the general examination has one-half the weight of the aggregate of the special examinations. The results are reduced to percentages, and an average term standing is deduced by dividing a student's total of per cents. by the whole number of his studies and exercises. Any student failing to attain an average of sixty per cent., is dropped from the roll of his class, and must enter the class below. Absentees from examinations apply in writing to the General Faculty for excuse: if excuse is granted, they are entitled to individual examinations equivalent to those undergone by their classes.

Students failing to pass in any study at the close of a term, are liable to be cited for re-examination at any time thereafter, either by the professor or by the faculty. And students so "conditioned" at the end of a year, are examined at the beginning of the next University year, at such times and places as may be announced on the morning of the second day. Conditioned students failing to attend such examinations must render satisfactory reasons in writing to the General Faculty, before joining their classes.

Students desiring to be examined in studies of classes above them, apply in writing to the General Faculty. Leave being granted, they attend, if practicable, the examinations of the advanced class; or if not, undergo examinations equivalent thereto.

Students who may have been absent from recitations for sufficient reasons, are passed upon individual examinations, equivalent to those undergone by their classes.

These rules apply to special as well as to regular students.

All examinations are conducted in writing, but any professor or instructor may add such oral questions as he may deem proper.

REGULATIONS.

The following regulations of the General Faculty are observed by the students of the Collegiate Department:

Students pledge themselves in their applications to be regular and punctual in attendance upon all proper duties and exercises.

All students of this department are required to attend the morning assembly. Absentees file their excuses, stating reasons, with the President.

Absentees from recitations or exercises, present their excuses in writing to the professor in charge, and file the same, with the professor's endorsement, in the president's office.

Students who have been unable to prepare for a recitation or exercise, present excuses in writing to the professor in charge, on entering the room.

Each student, whether regular or special, has three recitations a day (15 per week), beside rhetorical, military, and other exercises. The Faculty, upon application in writing, may, in their discretion, excuse a student from one or two studies, or may allow a fourth study.

A student conditioned in a study may take it as an extra, if the programme permit, and the president approve.

No change of course of study is allowed, except by vote of the General Faculty, to whom application must be made in writing.

Applications for changing a course, to drop a study, to take an extra study, and the like, are not entertained after the close of the second week of any term.

Unexcused absences, unexcused failures to prepare lessons, and misdemeanors, are recorded, and demerit marks are charged. When a student has accumulated 25 such marks, he receives a warning in private; when 50, notice is sent to his parent or guardian; at 75, a public warning is given; at 100, the student stands suspended.

N. B.—Applications to the Faculties should be written in ink, on LETTER PAPER, and folded 3¼ inches wide.

THE COLLEGE OF
Science, Literature and the Arts.

THE COLLEGE OF SCIENCE, LITERATURE AND THE ARTS.

THE FACULTY.

The President:
Professors CAMPBELL,
WALKER,
BROOKS,
THOMPSON,
HUGGINS,
WINCHELL,
PECKHAM,
MOORE,
MASTON;
Assistant Professor LAING.

STUDENTS, 1874-5.

SENIOR YEAR.

CLASSICAL COURSE.—Messrs. CASS, MINER, STARITT.

SCIENTIFIC COURSE.—Mr. STEWART.

MODERN COURSE.—Miss ELY.

JUNIOR YEAR.

CLASSICAL COURSE.—Messrs. CLARKE, J. S., HUTCHINSON, LEONARD W. E., SWEAT.

SCIENTIFIC COURSE. — Messrs. BROWN, CRAFTS, HYDE, LOCKE W. H., NIX, PRIBBLE; Miss BUTLER.

MODERN COURSE.—Mr. BASSETT.

ADMISSION.

Applicants who have completed courses of study in the Collegiate Department, are entitled to admission to the corresponding courses of this College. Other applicants, if candidates for graduation, must pass equivalent examinations. Persons desiring to pursue special studies in this College, apply in writing to the Faculty, and submit to such tests as the professors concerned require.

OBJECT.

This College is intended to furnish higher courses of LIBERAL studies, leading to the customary academical degrees. Much of the instruction is given by lectures, and in general the methods and discipline are those proper to UNIVERSITY students.

COURSES OF STUDY.

There are three regular undergraduate courses, as given below. They are arranged according to the following principles:

1. The leading study of each course is characteristic.

2. There are in each course 15 hours per week of recitations, and lectures, beside rhetorical and other exercises, not shown in the schedules.

3. There are 10 hours per week of prescribed work, and at least 5 of optional or elective work.

4. The elective studies of any course are commonly the required studies of the other courses.

JUNIOR YEAR.

	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST TERM.	1. Plato,—*Crito, &c.*	1. Analytical Geometry and Calculus.	1. German,—*Schiller.*
	2. English Literature.	2. English Literature.	2. English Literature.
	3. Analytical Geometry and Calculus, or German, or French, or Analytical Chemistry or Art of War.	3. Plato,—*Crito, &c.*, or German, or French, or Analytical Chemistry, or Art of War.	3. Plato,—*Crito, &c.*, or Analytical Geometry and Calculus, or French, or Analytical Chemistry, or Art of War.
SECOND TERM.	1. Tacitus,—*History.*	1. Lithological Geology.	1. German (3)*—*Schiller.* English Literature (2)
	2. Comparative Philology(2) History of Civilization (3)	2. Comparative Philology(2) History of Civilization (3)	2. Comparative Philology(2) History of Civilization (3)
	3. Lithological Geology, or German (3) and English Literature,(2) or French, or Calculus (*continued*) or Military History.	3. Tacitus,—*History*, or German(3) and English Literature (2) or French. or Calculus (*continued*) or Military History.	3. Tacitus,—*History*, or Lithological Geology, or French, or Calculus, or Military History.
THIRD TERM.	1. Greek, *Lectures on Art.* Latin,—*Juvenal.*	1. Historical Geology.	1. German (3)—*Goethe.* English Literature (2)
	2. Psychology.	2. Psychology	2. Psychology.
	3. Historical Geology, or German (3) and English Literature. (2) or French, or General Theory of Equations, and Modern Geometry, or Analytical Chemistry or Military Law.	3. Greek and Latin, or German (3) and English Literature, (2) or French, or General Theory of Equations, and Modern Geometry, or Analytical Chemistry or Military Law.	3. Historical Geology, or Greek and Latin, or French, or General Theory of Equations, and Modern Geometry, or Analytical Chemistry, or Military Law.

This * indicates the number of exercises per week when other than five.

SENIOR YEAR.

	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST TERM.	1. Plautus, *Captives, &c.*	1. Practical Astronomy.	1. Elements of Criticism.
	2. Ontology and History of Philosophy.	2. Ontology and History of Philosophy.	2. Ontology and History of Philosophy.
	3. Practical Astronomy, or Elements of Criticism, or French, or Scandinavian Languages, or Analytical Chemistry.	3. Plautus,—*Captives*, or Elements of Criticism, or French, or Scandinavian Languages, or Analytical Chemistry.	3. Plautus,—*Captives*, or Practical Astronomy, or or French, Scandinavian Languages, or Analytical Chemistry.
SECOND TERM.	1. Aristotle,—*Ethics*. Greek Literature.	1. American Constitution.	1. American Constitution.
	2. Ethics and Evidences.	2. Ethics and Evidences.	2. Ethics and Evidences.
	3. American Constitution, or German, or Italian.	3. German, or Aristotle and Greek Literature, or Italian.	3. German, or Aristotle and Greek Literature, or Italian.
THIRD TERM.*	1. Political Economy.	1. Political Economy.	1. Political Economy.
	2. International Law, (2) Fine Arts, (1) Sanitary Science, (1) Natural Theology, (2) Greek, (1) Latin, (1) Modern Languages. (2)	2. International Law, (2) Fine Arts, (1) Sanitary Science, (1) Natural Theology, (2) Greek, (1) Latin, (1) Modern Languages. (2)	2. International Law, (2) Fine Arts, (1) Sanitary Science, (1) Natural Theology, (2) Greek, (1) Latin, (1) Modern Languages. (2)

*In the Third Term the student may take any, all or none of the subjects numbered 2.

For Rhetorical Exercises see page 46.

GRADUATION.

Students completing courses of study to the satisfaction of the Faculty of the College, are entitled respectively to receive the appropriate baccalaureate degrees, to wit: Bachelor of Arts, Bachelor of Science, Bachelor of Literature.

Any person may undergo the examination in any subject, and if such person pass in all the studies and exercises of a course, he is entitled to the appropriate degree.

Special students receive certificates for successful examinations.

EXAMINATIONS.

The proficiency of students of this College in the various departments of instruction, is ascertained by means of examinations only. These take place at the end of each term, and are conducted in writing. The results are estimated on a scale of one hundred. The merit of the rhetorical and other exercises are reduced to the same scale at the end of each term. A minimum mark of 75 per cent. in each study and exercise is necessary to "pass."

REGULATIONS.

Students of this college are expected to attend the morning assembly, and are required to be present when appointed to deliver public rhetoricals.

Absentees from lectures, recitations, and other duties, report their excuses to the professors concerned. Five unexcused absences in any term debar a student from the examination in any department of instruction.

No student may have less than fifteen hours of work per week, unless by consent of the Faculty.

The College of Mechanic Arts.

THE COLLEGE OF MECHANIC ARTS.

THE FACULTY.

The President; Professors THOMPSON, WINCHELL, RHAME, PECKHAM, MARSTON; Mr. PECK.

STUDENTS, 1874-5.

SENIOR YEAR.—Messrs. LEONARD H. C., RANK, THAYER, C. E.

JUNIOR YEAR.—Messrs. FURBER, GILLETTE, HENDRICKSON, E. A., PARDEE.

ADMISSION.

Applicants who have completed the Scientific Course of the Collegiate Department, are entitled to admission without further examinations. Other applicants, if candidates for graduation, must pass satisfactory examinations in all the studies of that course. Applicants for special studies in this College are admitted to the classes, if competent in the judgment of the professors concerned, to receive the instruction.

OBJECT.

The aim of the instruction given in this College is to lay a broad and solid foundation in Mathematics, Mechanics and Drawing, so that with the practice in field, shop and office work, given to the students in the respective courses, they shall be fitted for immediate usefulness upon graduation, and after a moderate amount of subsequent practice and experience, be capable of taking charge of important works.

METHODS OF INSTRUCTION.

Instruction in the several subjects pertaining to Civil and Mechanical Engineering and Architecture, is given by text-books, lectures, reading in the general library, and practical exercises—the theory being applied in the solution of practical problems, and the construction of original drawings.

The College possesses a good compass, transit instrument, level and a variety of measures; ample opportunity is afforded to become familiar with their use in actual field operations.

Descriptive Geometry taught in the Collegiate Department, preparatory to several studies in the different courses in this College, is illustrated by means of a full set of the beautiful models made by Schrœder, of Darmstadt, Germany. Together with these were imported several models of roofs and bridges, by the same maker, to serve as guides to students in Architecture and Bridge Building, who, to fix the principles learned in the class room, are required to make trusses and other constructions.

A beginning has been made in fitting up a shop for the accommodation of students in Mechanical Engineering. The University possesses a lathe, with the necessary tools, to which additions will be made as fast as practicable.

Field practice is a portion of the regular course in Civil Engineering. The classes in Surveying are drilled in the actual work of lotting out and measuring land, as well as in the solution of various geometrical and trigonometrical problems, from data taken by members of the classes themselves. The classes in Railroad Engineering have practice in laying out curves, taking levels, cross-sectioning, staking out—in fact, in all the work of locating a railroad line, from the preliminary survey up to the point of actual construction.

COURSES OF STUDY.

Three regular undergraduate courses have been organized upon the following data:

1. There are fifteen lectures or recitations per week, besides drawing, field and shop work, and the rhetorical and other exercises.

2. As a general rule, there are ten hours per week of prescribed work, and five of elective.

3. The "electives" are chosen from corresponding years and terms of this and other colleges.

JUNIOR YEAR.

	Civil Engineering.	Mechanical Engineering.	Architecture.
First Term.	1. Higher Surveying and Leveling. Topographical Drawing.	1. Machinery,—Use of Lathe, &c Mechanical Drawing.	1. History of Architecture. Architectural Drawing.
	2. Differential Calculus.	2. Differential Calculus.	2. Differential Calculus.
	3. Elective.	3. Elective.	3. Elective.
Second Term.	1. Analytical Mechanics. Shades, Shadows and Perspective.	1. Analytical Mechanics. Shades, Shadows and Perspective.	1. Analytical Mechanics. Shades, Shadows and Perspective.
	2. Integral Calculus.	2. Integral Calculus.	2. Integral Calculus
	3. Lithological Geology.	3. Lithological Geology.	3. Elective.
Third Term.	1. Geodesy, with field practice.	1. Motors,—*Hydraulic*, *Steam*, &c.	1. Constructions, with Drawing.
	2. Gen. Theory of Equations and Mod. Geometry.	2. Gen. Theory of Equations, and Mod. Geometry.	2. Ventilation and Heating.
	3. Elective.	3. Elective.	3. Elective.

SENIOR YEAR.

	Civil Engineering.	Mechanical Engineering.	Architecture.
First Term.	1. Field Engineering,—*Railway Work, with Drawing.*	1. Machinery, *with drawing.*	1. Architectural Designing—*with drawing.*
	2. Applied Mechanics,—(*Strength and Stress of Materials*)	2. Applied Mechanics,—(*Strength and Stress of Materials.*)	2. Applied Mechanics,—(*Strength and Stress of Materials.*)
	3. Practical Astronomy.	3. Practical Astronomy.	3. Elective.
Second Term.	1. Engineering Structures,—(*Framing, Bridges, &c.*	1. Mechanical Constructions.	1. Engineering Structures,—(*Framing, Roofs, &c.*)
	2. Stereotomy, *with drawing.*	2. Stereotomy, *with drawing.*	2 Stereotomy, *with drawing.*
	3 Elective.	3. Elective.	3 Elective.
Third Term.	1. Building Materials,—(*Woods, Stones, Bricks, Mortars and Cements*).	1. Building Materials,—(*Woods, &c.*)	1. Building Materials,—(*Woods, &c.*)
	2. Analytical Mechanics.	2. Analytical Mechanics.	2. Specifications, Estimates, &c.
	3. Elective.	3. Elective.	3 Elective.

For Rhetorical exercises see page 46.

GRADUATION.

Students completing the foregoing courses to the satisfaction of the Faculty, are entitled respectively to receive the appropriate baccalaureate degrees, to wit: Bachelor of Civil Engineering, Bachelor of Mechanical Engineering, Bachelor of Architecture.

Special students receive certificates for successful examinations in the branches pursued. Any person is entitled to undergo the the examination in any subject, and if such person pass in all the studies and exercises of any course, he is entitled to the appropriate degree.

EXAMINATIONS.

The proficiency of students in this College is ascertained by examinations conducted in writing, at the close of each term. These are estimated on a scale of one hundred. The marks for rhetorical and other exercises are reduced to the same scale at the close of each term. A minimum of 75 per cent. in each study, and exercise, is necessary to "pass."

REGULATIONS.

Students of this College are expected to attend the Morning assembly, and are required to be present when appointed to deliver public rhetoricals.

Absentees from lectures, recitations and other duties, render excuse to the professor concerned. Five unexcused absences in any term debar from the examinations in that department of instruction.

No student may have less than 15 hours' work per week, without leave of the Faculty.

The College of Agriculture.

THE COLLEGE OF AGRICULTURE.

THE FACULTY.

The President:
Professors **Thompson**,
Huggins,
Winchell,
Rhame,
Peckham,
Moore,
Marston:
Assistant Professors **Laing** and **Lacy** (Secretary.)

I. THE REGULAR UNDERGRADUATE COURSE.

ADMISSION.

This course properly follows the Scientific Course of the Collegiate Department, but it may also follow either of the other courses of that Department, or the Elementary Course in Agriculture. Applicants who have completed any one of these courses are therefore entitled to admission to this college. Other applicants, if candidates for graduation, must be examined in the same or in equivalent studies.

OBJECT.

The studies and exercises of this course are designed to give to students already well-instructed in liberal studies and in general science, special training in the sciences related to Agriculture, including their practical application.

REGULAR [OR UNIVERSITY] COURSE.

Junior Year.

FIRST TERM.	SECOND TERM.	THIRD TERM.
1. Agricultural Chemistry. (*Composition of Plants and Soils.*)	1. Agricultural Chemistry, (*Analysis of Soils.*)	1. Agricultural Chemistry. (*Analysis of Fertilizers and Foods.*)
2. Agricultural Botany and Landscape Gardening.	2. Horticulture.	2. Arboriculture and Economic Entomology.
3. *Electives.**	3. *Electives.*	3. *Electives.*

Senior Year.

FIRST TERM.	SECOND TERM.	THIRD TERM.
1. Practical Agriculture. (*Soils and Fertilizers,*)	1. Practical Agriculture. (*Farm Crops.*)	1. Practical Agriculture. (*Farm Animals*),
2. Comparative Anatomy and Physiology.	2. Veterinary Medicine and Surgery.	2. Economics. (*Accounts, &c.*)
3. *Electives.*	3. *Electives.*	3. *Electives.*

*The Electives are to be chosen from the studies of corresponding terms and years of other colleges. Rhetorical exercises are required in same amount as in other colleges, see p. 46.

Students completing the above course to the satisfaction of the Faculty, are entitled to receive the degree of Bachelor of Agriculture.

SCOPE OF INSTRUCTION.

IN AGRICULTURAL CHEMISTRY.—A thorough study of Prof. Johnson's two books, "How Crops Grow" and "How Crops Feed," and a course in the analysis of soils, fertilizers, grains and fodders.

IN AGRICULTURAL BOTANY.—Botanical characters, properties and peculiarities of those natural orders containing plants of interest to the farmer and horticulturist, together with a special study of the most important individuals of these orders.

In Economic Entomology.—Brief general view of the animal kingdom, general characters of insects; characters and peculiarities of those families containing useful or injurious members; together with a special study of the most important individuals of these families.

In Horticulture.—Relations of heat, light, moisture and food to plant growth; and the means of controlling their supply and intensity; plant houses, hot beds, &c.; soils and manures, and their manipulation; propagation of plants; grafting, budding, pruning, training, &c.; planting and transplanting; hybridizing, crossing and selecting; cultivation of the apple, pear, plum and other large fruits; cultivation of the currant, strawberry, raspberry, cranberry and other small fruits; kitchen gardening, market gardening and floriculture.

In Arboriculture.—Reasons for planting forest trees; what trees to plant; methods of propagating; care in the nursery; special culture of each species.

In Landscape Gardening.—The different systems and their adaptations; principles of the art; desirable effects and how to secure them; undesirable effects, and how to avoid them.

In Practical Agriculture.—History of Agriculture; brief review of chemical composition and physical properties of air and water as related to the soil and vegetation; the chemical constituents and practical classification of soils; properties, peculiarities, treatment and adaptations of each kind; reclamation and improvement of soils, including drainage, subsoiling, trenching, altering, fallowing, paring and burning, preparatory tillage, roadmaking, and fencing; manufacture, preservation and application of manures and stimulants; green manuring and irrigation; farm implements and machinery; history, growth, general management and sale of the different farm crops; the different breeds of farm animals, their characteristics and adaptations; breeding, rearing, feeding and management for the different purposes to which each is suited; selection and purchase of farms; the situation, relative position, size and internal arrangements of farm buildings, and their adaptation to the purposes for which intended; different systems of farm economy, and circumstances governing their adoption; rotations and sequence of farm operations; farm accounts.

IN COMPARATIVE ANATOMY AND PHYSIOLOGY.—Anatomy, physiology and hygiene of the domestic animals.

IN VETERINARY MEDICINE AND SURGERY.—Prevention and treatment of diseases and injuries of the domestic animals.

ECONOMICS.—Grain raising, stock raising, dairying, general farming, fruit culture, market gardening and other specialties; legislation relating to agriculture; relations of agriculture to commerce, manufactures, labor, government, taxation, &c.

TEXT BOOKS AND BOOKS OF REFERENCE.—Johnson's How Crops Grow and How Crops Feed; Caldwell's Agricultural Chemical Analysis; Thomas's American Fruit Culturist; Fuller's Small Fruit Culturist; Bryant's Forest Trees; Chaveau's Anatomy of the Domestic Animals, Gray's Systematic Botany, Darlington's American Weeds and Useful Plants; Downing's Landscape Gardening; Loudon's Horticulturist; Downing's Fruits and Fruit trees of America; Harris's Insects Injurious to Vegetation; Entomological reports; Morton's Cyclopedia of Agriculture; Stephens's Book of the Farm; Allen's New American Farm Book; Allen's American Cattle; Randall's Practical Shepherd; Harris on the Pig; Gamgee's Domestic Animals in Health and Disease; Stonehenge's The Horse in the Stable and the Field.

II. THE ELEMENTARY COURSE.

STUDENTS, 1874–5.—Messrs. Griswold and Scott.

This course agrees in the main with the Scientific Course of the Collegiate Department, but differs from it in the substitution of some Natural Sciences and practical instruction for Languages and Mathematics in the latter part. The requisites for admission are the same as for admission to the Collegiate Department. See page 52.

ELEMENTARY COURSE.

CLASS.	FIRST TERM.	SECOND TERM.	THIRD TERM.
IV.	1. Physical Geography. 2. English Composition. 3. History of England.	1. Natural Philosophy. 2. Algebra. 3. Study of Words,—*Trench*.	1. Physiology. 2. General History. 3. Elemt'ry Astronomy.
III.	1. Natural Philosophy. 2. Plane Geometry. 3. Higher English Grammar or German,	1. Elements of Geology. 2. Mechanical Drawing, 3. Modern History, or German.	1. Botany. 2. Higher Algebra. 3. Modern History, or German.
II.	1. Molecular Physics. 2. Solid Geometry and Trigonometry. 3. English,—*Anglo Saxon*, or German.	1. General Chemistry. 2. Elements of Zoology. 3. Drawing, or German.	1. Applied Chemistry. 2. Surveying and Farm Drainage. 3. English,-*Readings* . German.
I.	1. Mechanical Physics. 2. Analytical Chemistry. 3. Agricultural Botany and Landscape Gardening. 4. Military Engineering, or French.	1. Practical Agriculture. (*Farm Crops*) 2. Horticulture. 3. Military Engineering, or French.	1. Practical Agriculture. (*Farm Animals.*) 2. Rhetoric. 3. Zoology, or French.

Ancient languages optional.

So far as practicable the students of this department recite with the classes of the Collegiate Department. The same rhetorical, military and other exercises are required as in that department.

While the above schemes indicate when regular and systematic instruction in the different studies will be given, instruction in PRACTICAL agriculture and horticulture will be given at various times throughout the whole course. The farm and gardens will be made to afford every possible facility for observation and practice, and enough of the latter will be required of all regular students in this Department to give them skill in the different operations of the farm and gardens.

III. SPECIAL COURSES.

While the above courses of study are provided for those who desire a systematic education in scientific Agriculture, the Board of Regents provide in their By-Laws for the ADMISSION OF ANY PERSONS TO ANY CLASS upon the sole condition that they appear to be competent to receive the instruction. Thus are the doors of THE COLLEGE OF AGRICULTURE thrown wide open to all disposed and qualified to profit by its instruction.

IV. THE FARMERS' LECTURE COURSE.

This course is specially designed to meet the wants of farmers and others who desire scientific and practical information relating to their calling, and whose business prevents them from spending an entire year away from home. These lectures will extend through ten weeks, two being given on each of five days in the week, while exercises equivalent to a third lecture will be given in Practice in the Chemical Laboratory, in Drawing, in Farm Accounts, or in Reading in the Library.

The instruction given will be both scientific and practical. The former will include Agricultural Chemistry, Botany, Physiology, Entomology, Geology and Mechanics, and will be given

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by those professors who have these departments in charge in the University. The latter will include the Improvement of Soils by Drainage, Subsoiling, Trenching, Plowing, Rotations, Manures, &c., Grain Raising, Stock Raising, Dairying, Fruit Culture, Forest Culture, Farm Accounts, and Rural Architecture, and will be given by the Professor of Agriculture and by men who have become successful and noted in these special departments.

No fees, examinations, or other conditions will be imposed for admission to this course, but its advantages will be ABSOLUTELY FREE to all.

NOTICE.

The above course of lectures will be given next year, (1875–6) provided that by first day of November, 1875, thirty persons not members of any class in the University shall have signified to Professor Chas. Y. Lacy their intention to attend this course.

Appendices.

APPENDIX A.

REVISED BY-LAWS

FOR THE GOVERNMENT OF THE UNIVERSITY OF MINNESOTA. ENACTED BY THE BOARD OP REGENTS, JULY 30th, 1874.

CHAPTER I.

ARTICLE I.—OF THE FACULTIES.

SECTION 1. The General Faculty of the University shall consist of the president and professors, and of such assistant professors as may be appointed by the Board of Regents to the head of departments of instruction. Faculties.

SECTION 2. The General Faculty shall have control of all matters pertaining to the Department of Elementary Instruction, and have power to direct and control all the general interests pertaining to the internal affairs of the University (subject to the revision of the Board of Regents, to whom the action of the said Faculty upon all important matters shall from time to time be submitted) except so far as said interests may fall under the supervision of the several special faculties. Powers of General Faculty.

SECTION 3. The several special faculties of the University shall have control and direction of the interests of their respective colleges or departments, except such matters as may be relegated to the General Faculty by the by-laws or by the Board of Regents. Special Faculty, Powers.

SECTION 4. The president of the University shall be the presiding officer of all the faculties, but in his absence the senior professor present shall preside. Presiding Officer.

SECTION 5. Each faculty shall elect its secretary annually at its first regular meeting. Secretary.

SECTION 6. The several faculties shall fix the times of their regular meetings other than the first; special meetings may at any time be called by the president, in his discretion, or upon application in writing of two professors. At special meetings no business shall be in order except such as may have been stated in the call. Meetings.

SECTION 7. The first regular meeting of the General Faculty shall be on the first day of the first term of each year, at 9 o'clock A.M. All officers of instruction, of whatever grade, whether members of the General Faculty or not, shall attend this meeting.

SECTION 8. The special faculties shall hold their first regular meetings of each year on the first day of the first term, at the call of the president of the University.

SECTION 9. In the respective faculties a majority of votes shall constitute a quorum, and upon call of any member the ayes and noes shall be taken and entered upon the records. Quorum.

SECTION 10. Each member of the General Faculty shall have one vote, except when questions pertaining to the Department of Elementary Instruction are voted upon; then each professor shall have two votes Votes.

and each assistant professor one vote. In the several special faculties each professor shall have two votes and each assistant professor one vote. The president shall have the casting vote in all cases, and if at any time he be charged with the duties of a professorship, he shall be entitled to his vote or votes accordingly.

Asst. Profs rights of.

SECTION 11. Assistant professors that may have been assigned to duty in the Department of Elementary Instruction by the Board of Regents, or during their recess by the president of the University, may sit with the General Faculty, and shall have all the rights and privileges of other members of that Faculty, upon all questions pertaining to the Department of Elementary Instruction.

ARTICLE II.—OF THE OFFICERS.

President. duties of.

SECTION 1. The president of the University, as the chief executive officer of the University shall see that all the laws and regulations of the Board of Regents for the government of the University, and all the rules and regulations of the several faculties in accordance therewith, be carefully executed; in all cases when an emergency may arise in the administration of the affairs of the University, the president shall, in his discretion, adopt such measures as he may deem expedient and necessary for the best interests of the University; he may keep and use an official seal, and appoint a secretary; he shall promptly communicate to any faculty any information they may require, unless in his opinion the interests [of the University] demand that it be withheld; he shall edit and publish the Annual Calendar, subject to the revision of the Executive Committee of the Board of Regents; and shall perform such other duties consistent with his office as the Board of Regents may prescribe.

SECTION 2. Whenever the action of any faculty shall, in the judgment of the president of the University, be at variance with the plans and policy of the Board of Regents, or otherwise prejudicial to the welfare of the University, and he shall so declare in writing to the secretary of said faculty, the said action shall not take effect until it shall have been submitted to the Board of Regents, and shall have been approved by them; and it shall be the duty of the president of the University promptly to make a full report of the transaction, together with the reasons for his action, to the president of the Board of Regents.

Professors powers of.

SECTION 3. The professors shall have general superintendence of every thing pertaining to instruction in their respective departments, and shall be responsible for the successful management of them; each professor shall have control and charge of the special apparatus of his department, and be responsible for the same.

Asst. Profs powers of.

SECTION 4. Assistant professors and other instructors shall be responsible for the order and progress of their respective classes.

Text books

SECTION 5. Each professor shall select the text books to be used in his department, subject to the action of the Board of Regents; and if, in the judgment of the president of the University, any text book be prejudicial to the interests of the University, he shall bring such fact to the notice of the Board.

Seniority.

SECTION 6. The order of the seniority of professors and assistant professors shall be determined by the dates of their first elections.

Reports.

SECTION 7. On or before the first day of November in each year, the professors shall make reports to the president, of the condition and progress of their respective departments, to which they may add such suggestions and recommendations as they may deem proper.

Equalization of work.

SECTION 8. The duties of departments shall be so distributed among the instructors as to give to all equal employment as nearly as may be according to rank.

Order.

SECTION 9. All officers of the University shall have authority, and it shall be their duty, to suppress disorder among the students in or about the University premises.

Absences.

SECTION 10. Any instructor or professor, of whatever rank, expecting to be absent temporarily, shall notify the president of the University.

ARTICLE III.—OF GENERAL REGULATIONS.

University Year.

Terms.

SECTION. 1. The University year shall begin in September and end in June, and shall be divided into three terms to be designated as the First, Second, and Third Terms. The First Term shall be fourteen weeks in length; the Second shall be twelve weeks, and the Third Term twelve weeks. The First Term shall end on the Thursday preceding the 24th day of December. The Second Term shall begin on the first Tuesday following the second day of January. The Third Term shall begin on the second Tuesday following the end of the Second Term.

SECTION 2. Such general devotional exercises shall be held in the University as the General Faculty may direct.

Fees.

SECTION 3. Students of all departments shall pay to the treasurer of the University, or his agent, an annual fee of five dollars for incidental expenses; which sum shall be payable before admission to recitations, and no reduction shall be made for late entrance nor for absence.

Dismissals.

SECTION 4. Any student desiring to leave the University for sufficient reasons, before the completion of his course, may receive from the president a certificate of dismissal, which shall set forth his general scholarship and deportment.

Penalties.

SECTION 5. The punishments to be used in the University shall be demerit marks; warnings or reprimands in private, in presence of the offender's class or section, or in public; suspension. indefinitely or for a stated time by the president, or by order of a faculty; expulsion by vote of the General Faculty; and reduction to the ranks, of officers and non-commissioned officers in the Military Corps In case of suspension the student shall have the right of appeal to the General Faculty within twenty days after notice of suspension.

Entertainments.

SECTION 6. No society or body of students in the University shall hold any public entertainment, nor invite any person to deliver before them a public lecture or address without first obtaining permission so to do of the General Faculty.

Students to register.

SECTION 7. No professor shall receive any person into his classes who is not properly registered as a student of the University.

Standing.

SECTION 8. It shall be the duty of all instructors, of whatever rank, to keep careful accounts of the attendance, conduct, progress, and final proficiency of the students instructed by them, in each and every study, and to make reports at such time and in such form as may be prescribed by the faculties of the various departments and colleges, respectively. The said faculties shall prescribe by what means and in what manner the progress and proficiency of students shall be ascertained, by regulations which shall be uniform in each department or college. It shall be the duty of the Registrar to cause the said reports to be consolidated, and filed for preservation. All students shall be reported to and for the department or college in which they are enrolled, and in such form as the respective faculty may have prescribed. All reports of assistant professors and instructors shall be made through the professor in charge of the department of instruction in which they may be employed.

Diplomas

SECTION 9. All diplomas shall be signed by the president of the University, and by all professors in charge of departments of instruction in the college from which the student is graduated.

Supt. of Buildings & grounds, duties of.

SECTION 10. The Superintendent of Buildings and Grounds shall have the custody of the grounds and all buildings and structures thereon, and shall oversee all repairs, alterations, and improvements, under the direction of the Executive Committee of the Board of Regents.

ARTICLE IV.—OF THE LIBRARY AND MUSEUM.

Librarian, duties of.

SECTION 1. The librarian shall have the custody of the Library and Reading Room of the University, and shall suffer them to be consulted under such rules and restrictions as the Board of Regents may prescribe.

Selection of books.

SECTION 2. The General Faculty shall select the works to be purchased out of the standing appropriations for the increase of the Library and Reading Room, and they shall decide upon the acceptance of all donations to the Library and Reading Room, and no works shall be placed therein until authorized by them.

Curator of Museum, duties of.

SECTION 3. The curator of the Museum shall have the custody of the Museum, and shall classify and arrange its contents according to the most approved methods. and shall suffer the same to be inspected under such rules and restrictions as the Board of Regents may prescribe.

CHAPTER II

OF THE COLLEGE OF SCIENCE, LITERATURE AND THE ARTS.

Faculty.

ARTICLE I. The Faculty of this College shall consist of the president of the University, *ex officio*, of the professors employed in and for the College, and of such other professors and assistant professors as may be assigned to duty in the College by the Board of Regents.

Courses.

ARTICLE II. There shall be three regular undergraduate courses of studies, extending over a period of two years, to be designated, respectively, the COURSE IN SCIENCE, the COURSE IN LITERATURE, and the COURSE IN ARTS. The instruction shall be conducted by the Faculty according to such schedules as may from time to time be adopted by the Board of Regents. The Course in Literature shall be otherwise known as the "Modern Course." There shall be such special and post-graduate courses of instrnction as may be authorized by the Board of Regents. There shall be such exercises in writing and speaking throughout, as the Faculty may prescribe. In each course there shall be two required studies throughout, and so many elective studies as may be deemed advisable. Each student shall pursue at least one of the elective subjects. No student shall have fewer than three studies unless by permission of the Faculty.

Article III. Applicants for admission who bring a final certificate from the Collegiate Department, are admitted without further examination. Other applicants must pass examinations in all the studies of of that course of the Collegiate Department corresponding to the one they propose entering upon respectively in this College. Real equivalents only shall be accepted. Admission

Article IV. The Degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Literature, shall be conferred upon recommendation of the Faculty, upon such students as shall have passed a course of study to their satisfaction. But any person may undergo examination in any subject, and if successful, shall receive a certificate to that effect. And if such person pass in all the studies of a course, he shall be entitled to the appropriate degree. Degrees and Certificates.

CHAPTER III.

Of the College of Agriculture.

Article I. The Faculty of this College shall consist of the president [of the University], *ex officio*, of such professors and assistant professors as may be employed in and for this College, and of such other professors and assistant professors as may be assigned to duty in this College by authority of the Board of Regents. Faculty.

Article II. The regular undergraduate course of instruction shall extend over a period of two years, The instruction shall be conducted according to such schedules as may from time to time be authorized by the Board of Regents. There shall be such other special and post-graduate courses of instruction as may be authorized by the Board of Regents. There shall be such exercises in writing and speaking as the Faculty shall direct. Courses.

Article III. Applicants for admission to the regular undergraduate course of instruction who bring a final certificate for the Scientific Course of the Collegiate Department are admitted without further examinations. Other applicants must pass examinations in all the studies of the Scientific Course of the Collegiate Department. Only real equivalents shall be accepted. Admission

Article IV. Students who complete a course of study to the satisfaction of the Faculty, will, upon their recommendation, receive the degree of Bachelor of Agriculture; but any person, not a candidate for this degree, who may appear to be competent to receive the instruction, may attend the classes and undergo the examinations in any subjects, and, if successful, will receive a certificate to that effect. Degrees and Certificates.

CHAPTER IV.

Of the College of Mechanic Arts.

Article I. The Faculty of this College shall consist of the president [of the University), *ex officio*, of such professors and assistant professors as may be employed in and for this College, and of such other professors and assistant professors as may be assigned to duty in this College by authority of the Board of Regents. Faculty.

Article II. There shall be three regular undergraduate courses of instruction, extending over a period of two years, to wit: Courses.

A Course in Civil Engineering;
A Course in Mechanical Engineering;
A Course in Architecture.

The instruction shall be conducted by the Faculty of the College, according to such schedules as may from time to time be authorized by the Board of Regents. There shall be such special and post-graduate courses of instruction as may be authorized by the Board of Regents.

There shall be such exercises in writing and speaking as the Faculty may direct.

Admission

ARTICLE III. Applicants who bring a final certificate for the Scientific Course of the Collegiate Department shall be admitted without further examination. Other applicants must pass examinations in all the studies of the Scientific Course aforesaid. Only real equivalents will be accepted.

Degrees and Certificates.

ARTICLE IV. Students who complete a course of study, and pass the required examinations to the satisfaction of the Faculty, shall, upon their recommendation. be entitled to receive the degree of Bachelor of Civil Engineering, Bachelor of Mechanical Engineering, or Bachelor of Architecture, as the case may be; but any person, not a candidate for these degrees, who may appear competent to receive the instruction, may attend the classes, and undergo examination, and if successful, will receive a certificate to that effect.

CHAPTER V.

OF THE DEPARTMENT OF ELEMENTARY INSTRUCTION.—

ARTICLE I.—[TITLE AND SUBJECTS.]

Title.

SECTION 1. This department shall be otherwise known as the "COLLEGIATE DEPARTMENT." The instruction shall be conducted by the Faculty, according to such schedules as may from time to time be authorized by the Board of Regents, and which shall embrace the following subjects. to wit:

Instruction. Subjects.

Mathematics, Latin, Greek. } In amounts equivalent, or nearly so, to those acquired by Sophomores in the older Colleges.

French, German. } To include a good reading knowledge.

English—Including Rhetoric and Logic, and so much of the Elements of Philology and English Literature as may be practicable.

Natural Sciences—Physical Geography, Natural Philosophy, Physiology, Botany, Chemistry, Physics, Mineralogy, Zoology, Geology and Astronomy.

History—An outline of general History for all the students, and so much of English, French, German, Roman and Greek History as can conveniently be taught in connection with the languages, respectively.

Other Exercises—Military Tactics, Gymnastics. Music (vocal), Elocution[and]Drawing, English Composition, Essays, &c.

SECTION 2. The Courses of Study shall be three, to wit:

Courses of Study.

I. CLASSICAL—Of which the leading studies shall be Latin, Greek. and Mathematics.

II. SCIENTIFIC—Of which the leading studies shall be Science, Mathematics, and any one of the following languages, viz: English, Latin, Greek, German, or French, as may be prescribed in the schedule of studies.

III. MODERN—In which the principal studies shall be Mathematics, the German, French, English, and Latin languages.

Selection of Course.

The course to be pursued by any student shall be selected at the time of his entrance, by his parent or guardian, or by himself, if he be of age.

There shall be such exercises in writing and speaking as the General Faculty upon recommendation of the Professor of Rhetoric may direct.

Provision shall be made in the term programmes for the military exercises.

SECTION 3. The General Faculty are authorized to modify, in their discretion, any of the above named courses, for the benefit of persons who propose to complete their education in the Collegiate Department.

SECTION 4. The General Faculty may also admit special students under such conditions as may seem just and proper.

ARTICLE II.—OF ADMISSION AND ATTENDANCE.

Age.

SECTION 1. Applicants for admission to the Collegiate Department shall be at least fourteen years old, and shall pass such examinations as may from time to time be required by the Board of Regents.

Examinations.

SECTION 2. The regular examination of candidates for admission to the Department of Elementary Instruction shall be held in the University building commencing on Wednesday of the first week of the first term, and continuing until completed. Such other examinations for admission may be held as the [General] Faculty shall direct; of which due notice shall be given.

Registry.

SECTION 3. No applicant shall be registered in full standing until his parent or guardian, or himself if he be of age, shall have filled up, signed and filed in the Registrar's office, the following form of application:

* * * * * * * *

Annual fee.

SECTION 4. No applicant shall be registered as a student until after he shall have passed the examination and have paid the treasurer, or his agent, the annual fee.

Student's Card.

SECTION 5. Whenever a student shall have been duly registered, he shall be furnished a card upon which shall be printed as follows, viz:

This is to certify that . . . is a duly registered student in the . . . of the University of Minnesota; . . . year, . . . class . . .

* * * * * * * * * * *

Absentees dropped from rolls after six days.

SECTION 6. If a student shall absent himself from the University without leave, for six consecutive school days, without reporting the cause of such absence; or if a student shall fail to be present at the beginning of any term, within six consecutive school days, without reporting the causes of such detention, he shall be dropped from the rolls, shall forfeit his registry, and shall only be readmitted upon examination at the next stated time for the examination of candidates for admission; *provided, however,* that the General Faculty may remit the above penalties for good and sufficient reasons.

Duty of Students.

SECTION 7. Every student of this department shall attend upon three recitations or lectures each day for five days in the week, besides exercises in Military Tactics and Gymnastics, Drawing, Music, Composition, Declamation, Elocution, and Analytical Chemistry, and Scientific Excursions, and for mathematical field work extra whole days or parts of days may be occasionally required. The Faculty, however, upon the written application of a parent or guardian, or of the student himself if of age, setting forth the reasons, may excuse a student from one or two studies, or may permit a student to take a fourth study.

Final Certificate. SECTION 8. Every student who shall have been duly passed upon all the studies and exercises of any course, shall receive a Final Certificate to that effect, which shall entitle him to admission to any appropriate college of the University, without further examinations.

Absences. SECTION 9. Whenever a student shall have been absent from any assemblies, recitations, lectures, drills, or other proper exercises, he shall, on the first day of his attendance thereafter, hand in an excuse in writing, stating the reasons for such absence; and he shall not be admitted to any recitation or other exercise, except the assembly, until this section has been complied with.

ARTICLE III—MILITARY EXERCISES.

Of whom required. SECTION 1. All able bodied male students of the Collegiate Department shall be required to attend upon the military exercises, except such persons as may be excused therefrom by the president, with the advice and consent of the [General] Faculty. Attendance upon these exercises shall be enforced in the ordinary manner.

Military appointments. All military appointments shall be made by the president, upon recommendation of the professor of Military Science, with the consent of the Faculty. He shall prescribe the uniform subject to the approval of the president and [General] Faculty.

CHAPTER VI.

OF OTHER COLLEGES, &C.

Colleges of Law and Medicine. SECTION 1. The organization of the other colleges of the University, to wit, of the College of Medicine and the College of Law, is hereby referred to the president, who is authorized to report at any subsequent meeting of the Board.

Repeal, &c. SECTION 2. None of the foregoing by-laws, nor any parts thereof shall be altered, amended, suspended, or repealed, except by vote of the Board of Regents upon a motion to amend the by-laws; which motion shall be made in writing, and if any member require it, shall lie over for one day before action.

SECTION 3. All previous enactments inconsistent with these by-laws are hereby repealed.

I certify that by the direction of the Board of Regents I have compared the foregoing copy of the revised by-laws with the originals adopted by them, and find said copy to be a faithful transcript.

CHAS. S. BRYANT.
Auditing Committee.

ST. PAUL, Aug. 25th, 1874.

APPENDIX B.

An Alphabetical List of Students attending the University of Minnesota from the Year 1867–8 to the Year 1873-4, inclusive.

Cornelius C. Adams,	Bloomington Ferry.	Classical.
Charles Newton Akers,	Red Wing.	Classical.
Frank Alden,	Saint Anthony.	Special.
Charles C. Allen,	Lincoln, Me.	Special.
Horatio Allen,	Shakopee.	Classical.
Edward Burdett Alling,	Anoka.	Classical.
Frank H. Ames,*	Rockford, Ill.	Scientific.
Charles Newton Atkins,	Red Wing.	Scientific.
Thomas J. Atkins,	Middletown, Conn.	Special.
John Birdseye Atwater,	Minneapolis.	Classical.
Mary W. Averill,	“	Classical.
John Ayotte,	Castle Rock.	Scientific.

George D. B. Bainbridge,	Saint Louis, Mo.	Special.
Asa Kneeland Baker,	Saint Paul.	Special.
Daniel Baker,	“ “	Scientific.
James B. Baldwin,	Clear Lake.	Special.
Edwin R. Barbour,	Minneapolis.	Classical.
Frank Lawson Barnard,	Chatfield.	Classical.
Fred Herbert Barnard,	Saint Anthony.	Scientific.
Georgia F. Barnard,	“ “	Modern,
Harriet Lillian Barnard,	Minneapolis.	Scientific.
Frank Anthony Barth,	Watertown.	Scientific.
Luther B. Bartow,	Minnetonka.	Special.
Wesley Beach,	Winona.	Classical.
William Clarence Bedford,	Minneapolis.	Scientific.
William Dunbar Belden,	Caledonia.	Classical.

Adrian L. Bennett,	Saint Paul.	Special.
Thomas Bennett,	Athol, Canada.	Classical.
William Carey Bennett,	Castle Rock.	Scientific.
Alfred Nelson Bentley,	Six Oaks.	Special.
John Berkey,	Saint Paul.	Special.
Jennie Beswick,	Vermillion.	Scientific.
William Henry Best,	Castle Rock.	Classical.
Willis Eugene Bigelow,	Preston.	Scientific.
Frank Birge,	Minneapolis.	Special.
David Marshall Bisbee,	Saint Anthony.	Scientific.
Henry Lawrence Blakely,	Saint Paul.	Scientific.
George Blasdell,	Saint Anthony.	Special.
Minnesota Eliza Bolles,	Newport.	Modern.
Benjamin Franklin Borden,	Plato.	Special.
Washington Boright,	Eyota.	Modern.
John Henry Bornholdt.	Saint Anthony.	Scientific.
Margarette O. Boyce,	Maple Grove.	Special.
Albert Fredrick Brayton,	Howard Lake.	Scientific.
Robert R. Briggs,	Clear Lake.	Special.
Alice Brockway,	Saint Anthony.	Scientific.
Elizabeth F. Brockway,	" "	Special.
Emma R. Brockway,	" "	Scientific.
John P. Brockway,	" "	Scientific.
Herbert John Broughton,	" "	Scientific.
David D. Brown,	Owatonna.	Scientific.
John Franklin Brown,	Oxford, N. C.	Classical.
Sarah Jane Brown,	Saint Anthony.	Modern.
Walter Scott Brown,	Long Lake.	Special.
William Brown,	Minnetonka.	Special.
Robert Solomon Bryant,	Minneapolis.	Classical.
Clarence Clough Buel,	"	Modern.
Lillie F. Burlingham,	"	Special.
John Danforth Burr,	"	Classical.
Margarette Bushnell,	Saint Anthony.	Special.
Walter Hiram Butler,	Conneautville, Pa.	Classical.
Robert William Butler,	" "	Scientific.
Timothy Edward Byrnes,	Kingston,	Scientific.

James C. Campbell,	Ypsilanti, Mich.	Classical.
Walter Atwood Carpenter,	Farmington.	Scientific.
Ira Wallace Castle,	Stillwater.	Modern.
Edward Wheelock Cater,	Princeton.	Scientific.
Celeste Eliza Chamberlain,	Orono, Maine.	Scientific.
Ella Letitia Champlin,	Osseo.	Modern.
Eva Mary Champlin,	“	Modern.
Arthur G. Chapin,	Minneapolis.	Special.
S. M. Chapman,	Richfield.	Special.
Abbie E. Chase,	Minneapolis.	Scientific.
Charles Walter Chase,	Saint Paul.	Classical.
Frank Chase,	Saint Anthony.	Scientific.
Sylvester Bessey Chase,	Minneapolis.	Scientific.
Edwin Chatfield,	Chatfield.	Scientific.
DeEtte Cheadle,	Cleveland.	Modern.
George Lucius Cheadle,	“	Modern.
Clarence P. Chesley,	Saint Anthony.	Scientific.
Gilbert Kirby Chesley,	“ “	Scientific.
John W. Childs,	Minneapolis.	Special.
Charles Richard Chute,	Saint Anthony.	Scientific.
Martha Hannah Chute,	Crawfordsville, Ind.	Modern.
William George Clague,	Castle Rock.	Special.
Frederick Arthur Clarke,*	Excelsior.	Scientific.
Emma Clement,	Saint Anthony.	Special.
Charles Bryant Coe,	Caledonia.	Classical.
Ellen R. Cole,	Saint Anthony.	Scientific.
Emma Frances Cole,	“ “	Scientific.
Sarah Belle Cole,	“ “	Scientific.
Addie E. Connor,	“ “	Scientific.
William Glen Copeland,	Minneapolis.	Scientific.
Ambrose Countryman,	Hastings.	Special.
Joseph Gage Cressey,	Richfield.	Scientific.
Charles Crysler,	White Bear Lake.	Classical.
John Cullen,	Saint Anthony.	Special.
Margaret Cullen,	“ “	Special.
Lula Cummings,	Minneapolis.	Special.
Minnie Cummings,	“	Special.
James Curly,	“	Special.

Archibald Currie,	Rushford,	Scientific.
Theodore Curtis,	Minneapolis.	Scientific.

William W. Dalrymple,	Farmington.	Special.
Charles Damerel,	Hastings.	Scientific.
George Damerel,	"	Scientific.
Charles E. Daniels,	Sciota.	Special.
Alfred A. Dare,	Saint Anthony.	Special.
James Davenport,	Saint Paul.	Modern.
Eugene Davis,	Eyota.	Special.
Laura Janette Davis,	Saint Anthony.	Scientific.
Ida Ellen Day,	Farmington.	Special.
Raymond Harris Day,	"	Scientific.
Charles E. Delamater,	Minneapolis.	Special.
Mary DeLong,	Owatonna.	Scientific.
Edgar Barnard Dillingham,	Minneapolis.	Scientific.
Frederic W. Dillingham,	"	Scientific.
Frederick H. Donaldson,	Minneapolis.	Scientific.
George Silas Doud,	Winona.	Scientific.
Jennie Donlin,	Saint Anthony.	Special.
Dorance Henry Dorman,	" "	Classical.
Howard Douglass,	High Forest.	Classical.
Francis H. Drake,	Albert Lea.	Special.
Elizabeth P. Dresser,	Saint Anthony.	Scientific.
Ella Dresser,	" "	Scientific.
Matilda Dudley,	" "	Special.
Frank Dunham,	Minneapolis.	Scientific.
Lycurgus Archer Dunn,	Red Wing.	Classical.
Warren B. Dunnell,	Owatonna.	Special.
Charles H. Dunsmoor,	Richfield.	Scientific.
Frederick A. Dunsmoor,	"	Scientific.

Clara Eames,	Red Wing.	Special.
George W. Eames,	" "	Scientific.
Charles G. Early,	Minneapolis.	Special.
Mary Abigail Eldridge,	Silver Lake.	Special.
Engbret Marius Engbretsen,	Norway.	Classical.
Samuel Eustis,	Saint Anthony.	Special.

Warren C. Eustis,	Saint Anthony.	Classical.
Charles Farnham,	“ “	Special.
Frank W. Farnham,	“ “	Scientific.
Sarah S. Farnham,	“ “	Special.
Frank B. Felt,	Minneapolis.	Scientific.
George W. Felt,	“	Scientific.
John Henry Ferris,	Hampton.	Special.
Cornelia Finch,	Richfield.	Special.
Helen D. Finch,	Clinton Falls.	Modern.
James Flanigan,	Saint Anthony.	Scientific.
John B. Flanigan,	“ “	Special.
Margaret Fleming,	“ “	Scientific.
George Florida,	Minneapolis.	Special.
Helen Florida,	“	Special.
Frank W. Folsom,	Taylors Falls.	Special.
Adelaide M. Folwell,	Kendaya, N. Y.	Special.
Edward La Fontaine Ford,	Wabasha.	Scientific.

Lucius Marcus Gaskill,	High Forest.	Scientific.
Byron Holmes Gates,	Harrison.	Special.
Emma Elizabeth Gates,	Crystal Lake.	Special.
Sarah Josephine Gates,	“ “	Special.
George F. Gay,	Mount Sterling, Wis.	Scientific.
Melvin Gilson,	Dayton.	Special.
Gerhard L. M. Gjertsen,	Leland, Ill.	Classical.
William Glascow,	Owatonna.	Special.
Abbie Glessner,	Saint Anthony.	Scientific.
Herbert S. Goddard,	Royalston, Mass.	Scientific.
Alice Goodale,	Saint Anthony,	Special.
Elsie May Goodwin,	“ “	Modern.
Fred Herbert Gowen,	“ “	Scientific.
Catherine Graham,	“ “	Special.
Charles Herbert Greeley,	“ “	Scientific.
Martin Fillmore Greeley,	Maine Prairie.	Scientific.
Otto E. Greeley,	Saint Anthony.	Special.
Duane L. Green,	Clinton Falls.	Scientific.
Alfred Scott Gregory,*	Winona.	Scientific.
Olin Grindall,	Saint Anthony.	Special.

William A. Gulick,	Minneapolis.	Classical
Thomas Edmund Hall,	Preston.	Scientific.
Hans Hansen,	Prasto, Denmark.	Classical.
Omer Harford,	Minneapolis.	Scientific.
Theodore F. Harley,	Odin, Ill.	Scientific.
Milan Smith Harmon,	Minneapolis.	Classical.
John Geddes Harper,	Hamilton.	Modern.
Charles Harris,	“	Scientific.
Hugh Harrison,	“	Classical.
Obed Harvey,	Hornellsville, N. Y.	Scientific.
Andrew Petersen Haselrud,	Rushford.	Scientific.
George Petersen Haselrud,	“	Scientific.
Louigene Hatch,*	Minneapolis.	Scientific.
Nathaniel Tighlman Hauser,	“	Classical.
Sarah W. Haviland,	Philadelphia, Pa.	Special.
David S. Hayward,	Saint Cloud.	Special.
William Henry Hayward,	“ “	Scientific.
Henry J. Hechtman,	Osseo.	Scientific.
John Albert Hechtman,	Saint Anthony.	Scientific.
Henrietta Elizabeth Higgins,	“ “	Modern.
Winfield Curran Higgins,	Castle Rock.	Scientific.
Richard Junius Hill,	Minneapolis.	Special.
Gustave E. Hiller,	Maple Grove.	Special
Asbury W. Hilton,	Minneapolis.	Special.
Charles Nathan Hinckley,	Saint Anthony.	Scientific.
Laura Dell Hinckley,	“ “	Modern.
Mary Hinton,	Little Valley.	Scientific.
William Thomas Hobart,	Saint Paul.	Classical.
James Hodgson,	Northfield.	Scientific.
Harry Hamlin Hollidge,	Minneapolis.	Scientific.
Herbert Allen Holmes,	“	Scientific.
Herbert Lawrence Holmes,	Rushford,	Classical.
Mary Manning House,	Saint Anthony.	Modern.
Charles Sumner Houston,	Anoka.	Scientific.
Allen Morgan Howard,	Rochester.	Classical.
Helen E. Howard,	Waukon, Iowa.	Special.
Anna Estelle Legate Howe,	Minneapolis.	Scientific.

Laura Negus Howe,	Brooklyn.	Scientific.
Gertrude Lenore Howe,	"	Scientific.
William Alvan Howe,	"	Special.
Henry Franklin Hoyt,	Saint Paul.	Scientific.
Esther Louise Hudson,	Minneapolis.	Scientific.
William S. Hughes,	Owatonna.	Special.
Dawson Myron Humiston,	Otter Creek, Ill.	Scientific.
Harriet Hunt,	Kasota.	Special.
John Galbraith Irvine,	Saint Paul.	Scientific.
Mildred Meta Jackson,	Saint Anthony.	Modern.
Milford W. Jackson,	Bass Lake.	Special.
Annis Eveline James,	Dayton.	Scientific.
George Washington James,	"	Scientific.
Ovid Butler Jameson,	Indianapolis, Ind.	Modern.
Abbie Louise Jenkins,	Farmington.	Modern.
Anthony Joerg,	Saint Paul.	Scientific.
Alfred B. Johnson,	Louisville, Ky.	Scientific.
Charles John Johnson,	Saint Anthony.	Scientific.
Edward Morrill Johnson,	" "	Special.
Louise Tilton Johnson,	" "	Modern.
Mary Cutler Johnson,	" "	Modern.
Richark W. Johnson,	Louisville, Ky.	Classical.
William Chandler Johnson,	Saint Anthony.	Scientific.
Bertrand Jones,*	Toledo, Ohio.	Scientific.
Everett Jones,	Chatfield.	Scientific.
Elijah Stephens Kelly,	Grenville.	Special.
Oscar Andrew Kelley,	Osseo.	Scientific.
Thomas Kennedy,	Minneapolis.	Scientific.
Edward J. Kimball,	Saint Anthony.	Scientific.
Leonard Kimball,	Sebago, Maine.	Special.
William Edward Kingsley,	Minneapolis.	Special.
Amelia Elizabeth Kirkwood,	Crystal Lake.	Modern.
Charles R. Knowlton,	Massachusetts.	Special.
Nils Kolkin,	Willmar.	Classical.
John Lamb,	Saint Anthony,	Classical.
Ella Florence Lane,	Minneapolis.	Scientific.

Frederick Cross Lawrence,	Saint Anthony.	Scientific.
Wilbur E. Lawrence,	“ “	Special.
Charles M Leary,	Rochester.	Special.
Anna Lewis,	Saint Anthony.	Special.
William Martin Lewis,	Red Wing.	Classical.
James Forbes Liddell,	Madison, Wis.	Scientific.
Walter Scott Liddell,	“ “	Scientific.
Millie Lobdell,	Saint Anthony.	Scientific.
Charles H. Lockwood,	Rose.	Special.
Emma Lockwood,	Minneapolis.	Scientific.
Frank N. Lockwood,	Rose.	Special.
William Lockwood,	“	Special.
Daniel W. Longfellow,	Crystal Lake.	Scientific.
Charles McAllister,	Saint Paul.	Classical.
James H. McClenthen,	Minneapolis.	Special.
Ernest McDonald,	Saint Anthony.	Special.
Emma Marion McDonald,	“ “	Modern.
Louisa McDonald,	“ “	Special
Caroline M. McEwen,	Lawrenceville.	Special.
John Henry McGaughey,	Saint Anthony.	Scientific.
Augus McGinnis,	Garden, Nova Scotia.	Special.
Arthur Lycurgus McGinnis,	Caledonia.	Scientific.
Catherine Eliza McGran,	Saint Anthony.	Scientific.
James E. McHenry,	Mankato.	Classical.
Edgar McKay,	Hampton.	Scientific.
Newton McKusick,	Stillwater.	Scientific.
Lois A. McMahon,	Manchester, Mich.	Special.
Margaret A. McMahon,	“ “	Special.
Robert B. McMaster,	Pittsburg, Pa.	Special.
Albert E. McMullen,	Saint Anthony.	Scientific.
Wilbert Howard McMullen,	“ “	Scientific.
Emma L. Macomber,	Minneapolis.	Special.
Daniel McPherson,	“	Special.
Charles Main,	Fremont Prairie.	Scientific.
Richard Mangan,	Saint Anthony.	Special.
Henry Luther Martin,	“ “	Scientific.
Jennie H. Martin,	“ “	Special.

Lucien J. Mason,	Le Roy.	Special.
Orrin F. Mason,	Keene, N. H.	Special.
Amelia Louisa May,	Farmington.	Special.
Edwin T. Mercer,	Grinnell, Iowa.	Scientific.
Jennie Abbie Miller,	Lanesboro.	Modern.
Ida Lucinda Mitchell,	Maple Grove.	Special.
Sophia Nelson Montfort,	Saint Anthony.	Modern.
Vessey Montfort,	" "	Special.
Frank Mooers,	Minneapolis.	Special.
Ella Katherine Moore,	Saint Anthony.	Special.
Mary E. Moore,	" "	Modern.
Nathan Moore,	" "	Special.
George Horace Morgan,	Minneapolis.	Scientific.
John Paine Harvey Morris,	Saint Paul.	Scientific.
Louise Muller,	Minneapolis.	Special.
Albert E. Murdock,	Wabashaw.	Scientific.
Ira F. Murphy,	Minneapolis.	Modern.
Ida M. Murphy,	"	Special.
Elizabeth Murray,	Excelsior.	Scientific.
James A. Murray,	"	Classical.
Margaret M. Murray,	"	Scientific.
John Ralsey Murrel,	Preston.	Scientific.
William M. Myrick,	Saint Paul.	Scientific.
John Gunderson Naeseth,	Hader.	Scientific.
Burnham O. Nason,	Saint Anthony.	Special.
Feodor Bernard Neher,	Monticello.	Classical.
William Andrew Nelson,	Lenora.	Scientific.
Ezra Butler Newcombe,	Indianapolis, Ind.	Classical.
Bertha Niles,	Saint Anthony.	Special.
Ole Nilson,	Silver Lake, Iowa.	Scientific.
Alvah Josiah Noyes,	Silver Star, Montana.	Scientific.
David Olmstead,	Monona, Iowa.	Scientific.
Faltin Olsen,	Arendahl.	Modern.
Albert Bolles Ovitt,	Farmington.	Scientific.
Grace Rebecca Ovitt,	"	Scientific.
Alice F. Paine,	Minneapolis.	Special.
Harriet Ellen Parker,	Wayzata.	Scientific.

James Luther Parker,	Minneapolis Tp.	Scientific.
Frederick Leavitt Pearl,	Minneapolis.	Scientific.
Annie S. Pease,	Saint Anthony.	Special.
John Pemberton,	West Saint Paul.	Classical.
Joseph Pemberton,	“ “ “	Classical.
John C. Penniman,	Saint Anthony.	Scientific.
Sarah O. Penniman,	“ “	Scientific.
Asa Milo Perkins,	Monticello.	Scientific.
Nelson Charles Peterson,	Minneapolis.	Scientific.
Herbert Phillips,	Saint Anthony.	Scientific.
Jennie P. Phillips,	“ “	Special.
Frank L. Plummer,	Brooklyn.	Scientific.
Samuel W. Pond,	Shakopee.	Classical.
Harmon Kossuth Pratt,	Richfield.	Scientific.
Faustina E. Prescott,	Saint Anthony.	Scientific.
Herbert C. Prescott,	“ “	Scientific
Laura Prescott,	“ “	Modern.
Nancy Prescott,	Minneapolis.	Special.
Theodore Refine Prindle,*	Chatfield.	Classical.
William Lowry Prosser,	“	Modern.
Eldon H. Pullen,	Harrison.	Scientific.
Lydia Carlton Pullen,	“	Modern.
Charles M. Purdy,	Red Wing.	Classical.

Marcellus Randall,	Mazeppa.	Scientific.
Rosalie Randall,	Saint Anthony.	Special.
William H. Randall,	St. Paul.	Scientific.
Martin Newman Rathbun,	Minneapolis.	Modern.
Charles W. Raymond,	Elgin, Ill.	Special.
John Cornelius Reardon,	Shakopee.	Scientific.
Philip Recher,	Brighton. Ill.	Special.
Frank Mortimer Reed,	Rockford, Ill.	Scientific.
Ora M. Reed,	Saint Anthony.	Special.
Edwin Sandreson Reishus,	Rushford.	Modern.
Lillian A. Rice,	Owatonna.	Special.
Lula Rich,	Red Wing.	Modern.
George Edwin Ricker,	Minneapolis.	Classical.
Herbert Robbins,	Jordan Valley.	Scientific.

Harriet Augusta Roberts,	Orlando.	Scientific.
Mackintosh Robertson,	Saint Paul.	Special.
Charles Nicholson Robinson,	Minneapolis.	Scientific.
James Burney Robinson,	“	Scientific.
John Rodgers Kearney,	“	Special.
Charles B. Rogers,	Kasota.	Scientific.
Emma Frances Rollins,	Saint Anthony.	Scientific.
John Rollins,	“ “	Special.
Matilda Rollit,	“ “	Modern.
Minetta J. Ross,	“ “	Modern.
Elbert Warren Rossman,	Spring Valley.	Modern,
John Brocklebank Rossman,	“ “	Modern.
Frederick C. Rowell,	Winona.	Classical.
Joel Nathaniel Rowell,	Joliet, Ills.	Scientific.
Mary Augusta Rourke,	Saint Anthony.	Special.
Mary Isabella Sayre,	Minneapolis.	Special.
Charles Scott,	“	Special.
Watson Scripture,	Saint Anthony.	Special.
Gilbert F. Scriven,	“ “	Special.
Emma Seaton,	“ “	Special.
Virgil Barbour Seward,	Mankato.	Scientific.
Francis F. Sewell,	Minneapolis	Special.
John Alden Shepard,	“	Scientific.
Frank L. Shepherd,	“	Scientific.
John Sheriff,	Saint Anthony.	Scientific.
Lorissa Maria Sherman,	Osseo.	Special.
William Henry Sidle,	Minneapolis,	Special.
Karl Simmon,	Saint Paul.	Scientific.
Mary E. Sleight,*	Rockford.	Special.
Harvey Volney Sims.	Houston, Texas.	Scientific.
Charles Axel Smith,	Saint Anthony.	Scientific.
Cora F. Smith,	Minneapolis.	Modern.
Daniel F. Smith,	“	Classical.
Della Matilda Smith,	Osseo.	Modern.
Eugene Adelbert Smith,	Saint Paul.	Scientific.
George Smith,	Saint Anthony.	Special.
George William Smith,	Minneapolis.	Classical.

Henry Ansell Smith,	Duluth,	Modern.
Joseph H. Smith,	Minneapolis.	Special.
Minerva Clark Smith,	"	Modern.
Luther E. Somerville,	Eyota.	Scientific
Alice Eldora Soule,	Princeton	Special.
Ada Souther,	Chatfield.	Scientific.
Mary C. Southwick,	Shultzburg, Wis.	Special.
Marion D. Southwick,	" "	Special.
Susan Southworth,	Saint Anthony.	Scientific.
Catherine L. Sperry,	Waterbury, Conn.	Special
Charles Clifford Spooner,	Minneapolis.	Scientific.
Samuel Benjamin Stees,*	Saint Paul.	Scientific
Emma E. Sterling,	Elysian.	Modern.
Arthur Dayton Stevens,	Minneapolis.	Scientific.
Clinton DeLuce Stevens,	"	Scientific.
Gardner Stevens,	"	Classical.
Granville W. Stewart,	Northfield.	Scientific.
Francis Alphonso Stiles,	Sauk Center.	Classical
Ella Frances Stimson,	Saint Anthony.	Special.
Frank Alvin Stone,	" "	Special.
Benjamin Franklin Stoneman,	Minneapolis.	Scientific.
Orville Anderson Stoneman,	Saint Anthony.	Scientific.
Albert D. Stowell,	Mazeppa.	Scientific.
James Frederick Strange,*	Chatfield.	Modern.
William Oscar Streeter,	Caledonia.	Scientific.
Anson Strong,*	Hornellsville, N. Y.	Scientific.
David Oakes Sweet,	Sauk Rapids.	Scientific.
Wilbur A. Taggart,	Vermillionville, Ill.	Scientific.
Ivar Taraldsen,	Minneapolis.	Classical.
Watson S. Taylor,	Jefferson, N. Y.	Special.
Frank Tew,	Saint Anthony.	Special.
Eben Fernandez Thompson,	Minneapolis.	Modern.
Ruthevan Thompson,	Aurora, Ill.	Special.
Willard Granville Thompson,	Saint Paul.	Scientific.
Willis H. Thompson,	Saint Anthony.	Special.
Viola Tidball,	Waterville.	Special.
Abbie E. Tidd,	Saint Anthony.	Special.

Flavil B. Tiffany,	Rice Lake.	Scientific.
Frederick Loraine Tillotson,	Rushford.	Scientific.
Charles Clarence Timson,	Saint Anthony.	Scientific.
Ora M. Timson,	" "	Special.
Victor C Timson,	" "	Scientific.
Charles Todd,	" "	Special.
Laura A. Tombler,	Wyoming.	Special.
Julius A. Town,	Owatonna.	Special.
Ralph E. Town,	"	Scientific.
Helen Tozer,	Rose.	Special.
Wilber Lewis Trumble,	Minneapolis.	Scientific.
Adelmar Kinney Tubbs,	Princeton.	Scientific.
Henry Levi Tubbs,	"	Scientific.
Jerome Fernando Tubbs,	"	Classical.
Catherine A. Tupper,	Saint Anthony.	Special.
George Montgomery Tuttle,	Minneapolis.	Classical.
Frank Langworthy Tuttle,	Austin.	Special.
Frederick L. Tuttle,	Saint Anthony.	Special.
Serena Elizabeth Tuttle,	" "	Modern.
Sarah Edna Twitchell,	Chatfield.	Classical.

Eugene Underwood,	Saint Paul.	Special.
Frank B. Upton,	" "	Scientific.
Rufus Porter Upton,	Saint Anthony.	Scientific.

Edward Mortimer VanCleve,	Saint Anthony.	Scientific.
John Risley VanCleve,	" "	Scientific.
Paul Ledyard VanCleve,	" "	Scientific.
Samuel Houston VanCleve,	" "	Classical.
Fergus VanDeren,	" "	Classical.
Alexander Vander Horck.	Minneapolis.	Modern.
George Vinal,	Middletown, Conn.	Special.

Charles Henry Wagoner,	Eyota.	Special.
John Rowland Wagoner,	Greene, Iowa.	Classical.
Arthur Wales,	Minneapolis.	Special.
Maria Wales,	Minneapolis.	Special.
William Wales,	"	Special.
Ellen R. Walker,	Spencer Brook.	Scientific.

Isaac Fletcher Walker,	Spencer Brook.	Scientific.
Margaret A. Walker,	" "	Scientific.
Richard Westbrook Walker,	" "	Scientific.
Franklin William Ward,	Galesburg, Ill.	Classical.
Sarah Meroa Warde,	Brooklyn.	Modern.
Dennis LeRoy Warriner,	Chatfield.	Classical.
Mary Eliza Watson,	Minneapolis.	Special.
Edgar S. Way,	Northfield.	Scientific.
Oliver Webb,	Duluth.	Scientific.
John Weeks,	Saint Anthony.	Special.
William Weeks,	Maumee.	Special.
George Francis Welles,	Minneapolis.	Classical.
Madeline White,	Saint Anthony.	Scientific.
Ida Ellen Whittier,	" "	Modern.
Albert Wilkinson,	Red Wing.	Classical.
Joseph Wilkinson,	" "	Classical.
John Willey Willes,	Saint Paul.	Classical.
Ida Rosaline Willey,	Crystal Lake.	Modern.
Henry M. Williamson,	Saint Peter.	Classical.
Ella Willson,	Pleasant Grove.	Special.
Caroline E. Wilson,	Six Oaks.	Special.
George N. Wilson,	Phelps, N. Y.	Special.
Justis A. Wilson,	Saint Cloud.	Special.
Charles Albert Winship,	Minneapolis.	Classical.
Paul Horace Wood,	"	Scientific.
Wallace W. Woodruff,	Saint Paul.	Special.
Mira Woods,	Le Sueur.	Special.
Sumner B. Woodsum,	Chatfield.	Classical.
Austin M. Woodward,	Minneapolis.	Scientific.
Mary Alice Woodward,	Osseo.	Modern.
Medora Wright,	Spring Valley.	Special.
Rosemma Clara Wright,	Richfield.	Scientific.
John Wyckoff,	Taylors Falls.	Scientific.
Emily Sophia Young,	Saint Anthony.	Modern.

APPENDIX C..

A List of Persons who have served as Regents, Professors or Instructors, since the opening of the University, October, 1867.

REGENTS.

Hon. Benjamin Franklin,*	Winona,	1868.
Prof. E. J. Thompson,	Chatfield,	1868–1870.
Hon. O. C. Merriman,	St. Anthony,	1864–1871.
" John Nicols,*	St. Paul,	1864–1873.
" R. S. Donaldson,	Farmington,	1868–1871.
" O. Dalrymple,	St. Paul,	1871-1873.
" Horace Austin, *ex officio,*	" "	1870–1874.
" Mark H. Dunnell, "	Owatonna,	1868–1872.
" Horace B. Wilson, "	Red Wing.	1872–1875.

PROFESSORS.

Maj. Gen. Rich'd W. Johnson, U, S. A.,	Military Science,	1869–'71.
Col. Daniel A. Robertson,	Agriculture,	1869–'70.
Arthur Beardsley,	Civil Engineering,	1869–'72,
Edward H. Twining,	Chemistry,	1868–'72.
Aris B. Donaldson,	Rhetoric, &c.,	1869–'74.

ASSISTANT PROFESSORS.

Dalston P. Strange,	Agriculture,	1873–1874.
Wesley C. Sawyer,	German,	1873–1874.

INSTRUCTORS.

Rev. W. W. Washburn, Principal of the Preparatory Department, and Instructor in Greek. 1867–1869.

Ira Moore,	Mathematics,	1867–1869.
A. J. Richardson,	English,	1868–1869.
Andrew W. Williamson,	History,	1872–1873.
Hiram P. Slack,	English,	1872.
William P. Melcher,	German,	1874.

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*Deceased.

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A.W. Page

UNIVERSITY OF MINNESOTA.

THE

CALENDAR

FOR THE YEAR

1875-6.

THE UNIVERSITY OF MINNESOTA.

THE

CALENDAR

FOR THE YEAR

1875-6.

THE

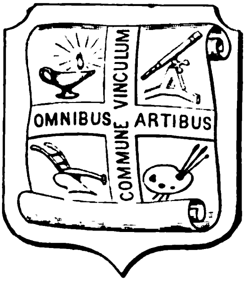
UNIVERSITY OF MINNESOTA.

THE

CALENDAR

FOR THE YEAR

1875-6.



BY THE UNIVERSITY.

MINNEAPOLIS.

1876.

✩ UNIV. OF MIN.

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PUBLIC LIBRARY
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ASTOR, LENOX AND
TILDEN FOUNDATIONS.
1898

THE ANNUAL CALENDAR published by authority of the Board of Regents, is a record of the condition and membership of the University for the given University year, and contains also the necessary announcements for the University year following. The Calendar will be sent gratuitously, postage paid, to all persons in the State who apply for it. Persons not residing in the State, desiring the Calendar, are requested to remit ten cents per copy, to cover postage. This does not apply, however, to exchanges with other institutions of learning.

JOHNSON & SMITH, PRINTERS,
MINNEAPOLIS, MINN.

ALMANAC—1876-77.

SEPTEMBER, 1876—(*First Term.*)

1 Friday,

* * *

19 Tuesday, YEAR 1876-77 BEGINS. General Faculty meet 9 A. M. Special Faculties meet on call.
20 Wednesday, Entrance Examinations begin 9 A. M.
21 Thursday, Entrance Examinations continue.
22 Friday, Examinations for advanced rank.
23 Saturday, Examinations concluded.
42 **Sunday.**
25 Monday, Literary Societies meet 7:30 P. M.
26 Tuesday, RECITATIONS BEGIN.
27 Wednesday, Library opens.
28 Thursday,
29 Friday,
30 Saturday. . . . . 2.

OCTOBER, 1876—(*First Term.*)

1 **Sunday.**
2 Monday,
3 Tuesday, Military Exercises begin.
4 Wednesday, General Faculty meet [3 P. M.
5 Thursday,
6 Friday,
7 Saturday, ... 3.
8 **Sunday.**
9 Monday,
10 Tuesday,
11 Wednesday,
12 Thursday,
13 Friday, State Constitution, 1857.
14 Saturday, ... 4.
15 **Sunday.**
16 Monday,
17 Tuesday,
18 Wednesday, General Faculty meet [3 P. M.
19 Thursday,
20 Friday, Special Examinations, Collegiate Department.
21 Saturday,
22 **Sunday.**
23 Monday,
24 Tuesday,
25 Wednesday,
26 Thursday,
27 Friday,
28 Saturday, ... 6.
29 **Sunday.**
30 Monday,
31 Tuesday.

NOVEMBER, 1876—(*First Term*)

1 Wednesday, General Faculty meet [3 P. M.
2 Thursday,
3 Friday,
4 Saturday, ... 7.
5 **Sunday.**
6 Monday,
7 Tuesday,
8 Wednesday,
9 Thursday,
10 Friday,
11 Saturday, ... 8.
12 **Sunday.**
13 Monday,
14 Tuesday, [3 P .
15 Wednesday, General Faculty meet
16 Thursday,
17 Friday, } Special Examinations, Collegiate Department.
18 Saturday,
19 **Sunday.**
20 Monday,
21 Tuesday,
22 Wednesday,
23 Thursday,
24 Friday,
25 Saturday, ... 10.
26 **Sunday.**
27 Monday,
28 Tuesday, [3 P. M.
29 Wednesday, General Faculty meet
30 Thursday, **National Thanksgiving Day.**

DECEMBER, 1876.

(*First Term Closes—Second Term Begins.*)

1 Friday,
2 Saturday, ... 11.
3 **Sunday.**
4 Monday,
5 Tuesday,
6 Wednesday,
7 Thursday,
8 Friday,
9 Saturday, ... 12.
10 **Sunday.**
11 Monday,
12 Tuesday, } General Examinations, all Departments.
13 Wednesday,
14 Thursday, FIRST TERM CLOSES.
15 Friday, Recess.
16 Saturday, ... 13.
17 **Sunday.**
18 Monday,
19 Tuesday, { SECOND TERM BEGINS. Gen. Fac. 9 A. M.
20 Wednesday, RECITATIONS BEGIN.
21 Thursday,
22 Friday,
23 Saturday, ... 1.
24 **Sunday.**
25 Monday, CHRISTMAS DAY.
26 Tuesday, Faculty Coll. Agr. meet.
27 Wednesday, Fac., S. . & A. meet.
28 Thursday, Fac., Mech. Arts meet.
29 Friday,
30 Saturday, ... 2.
31 **Sunday.**

JANUARY, 1877—(*Second Term.*)

1 Monday, NEW YEAR'S DAY.
2 Tuesday,
3 Wednesday, General Faculty meet
4 Thursday, [3 P. M.
5 Friday,
6 Saturday, ... 3.
7 **Sunday.**
8 Monday,
9 Tuesday,
10 Wednesday,
11 Thursday,
12 Friday,
13 Saturday, ... 4.
14 **Sunday.**
15 Monday,
16 Tuesday,
17 Wednesday, General Faculty meet
18 Thursday, [3 P. M.
19 Friday,
20 Saturday, } Special Examinations, Collegiate Department.
21 **Sunday.**
22 Monday,
23 Tuesday,
24 Wednesday,
25 Thursday,
26 Friday,
27 Saturday, ... 6.
28 **Sunday.**
29 Monday,
30 Tuesday, [3 P. M.
31 Wednesday, General Faculty meet

FEBRUARY, 1877—(*Second Term.*)

1 Thursday,
2 Friday,
3 Saturday, ... 7.
4 **Sunday.**
5 Monday,
6 Tuesday,
7 Wednesday,
8 Thursday,
9 Friday,
10 Saturday, ... 8.
11 **Sunday.**
12 Monday,
13 Tuesday,
14 Wednesday, General Faculty meet
15 Thursday, [3 P. M.
16 Friday,
17 Saturday. } Special Examinations, Collegiate Department.
18 **Sunday.** University Charter, 1868.
19 Monday,
20 Tuesday,
21 Wednesday,
22 Thursday, WASHINGTON'S BIRTH-
23 Friday, [DAY.
24 Saturday, ... 10.
25 **Sunday.**
26 Monday,
27 Tuesday,
28 Wednesday.

MARCH, 1877.

(*Second Term Closes—Third Term Begins.*)

1	Thursday,		
2	Friday,		
3	Saturday,	. . . .	11.
4	**Sunday.**		
5	Monday,		
6	Tuesday,	General Examinations, all Departments.	
7	Wednesday,		
8	Thursday,	SECOND TERM CLOSES.	
9	Friday.	Recess.	
10	Saturday,	. . . .	12.
11	**Sunday.**		
12	Monday,		
13	Tuesday,	THIRD TERM BEGINS. General Faculty meet 9 A. M.	
14	Wednesday,	RECITATIONS BEGIN.	
15	Thursday,		
16	Friday,		
17	Saturday.	. . . .	1.
18	**Sunday.**		
19	Monday,		
20	Tuesday,	Fauclty, Coll. Agr. meet.	
21	Wednesday,	Fac. S. L. & A. meet.	
22	Thursday,	Fac. Mech. Arts meet.	
23	Friday,		
24	Saturday,	. . . .	2.
25	**Sunday.**		
26	Monday,		
27	Tuesday,		
28	Wednesday.	General Faculty meet	
29	Thursday,	[3 P.M .	
30	Friday,	GOOD FRIDAY.	
31	Saturday	. . . .	3.

APRIL. 1877—(*Third Term.*)

1	**Sunday,**		
2	Monday,		
3	Tuesday,		
4	Wednesday,		
5	Thursday,		
6	Friday,		
7	Saturday,	. . . .	4.
8	**Sunday.**		
9	Monday,		
10	Tuesday,		
11	Wednesday,	General Faculty meet	
12	Thursday,	[3 P. M.	
13	Friday,	Special Examinations, Collegiate Department.	
14	Saturday,		
15	**Sunday.**		
16	Monday,		
17	Tuesday,	Battalion Drills begin.	
18	Wednesday,		
19	Thursday,		
20	Friday,		
21	Saturday,	. . . .	6.
22	**Sunday.**		
23	Monday,		
24	Tuesday,		
25	Wednesday	General Faculty meet	
26	Thursday,	[3 P. M.	
27	Friday,		
28	Saturday.	. . . .	7.
29	**Sunday.**		
30	Monday.		

MAY, 1877—(*Third Term.*)

1 Tuesday,
2 Wednesday,
3 Thursday,
4 Friday,
5 Saturday, ... 8.
6 **Sunday.**
7 Monday,
8 Tuesday,
9 Wednesday, General Faculty meet
10 Thursday, [3 P. M.
1 Friday, } Special Examinations Collegiate Department.
12 Saturday,
13 **Sunday.**
14 Monday,
15 Tuesday,
16 Wednesday,
17 Thursday,
18 Friday,
19 Saturday, ... 10.
20 **Sunday.**
21 Monday,
22 Tuesday,
23 Wednesday, General Faculty meet
24 Thursday, [3 P. M.
25 Friday,
26 Saturday, ... 11.
27 **Sunday.**
28 Monday,
29 Tuesday,
30 Wednesday,
31 Thursday.

JUNE, 1877—(*Third Term.*)

1 Friday,
2 Saturday, General Examinations
3 **Sunday.** [begin.
4 Monday,
5 Tuesday, General Examinations.
6 Wednesday, { General Examinations close. Society of Alumni meet 10, A. M. Address before Lit. Societies, 8 P. M.
7 Thursday, THE COMMENCEMENT.
8 Friday. The VACATION BEGINS.

The University year 1877–78 will begin September 13, 1877.

THE BOARD OF REGENTS.

The Hon. PARIS GIBSON, M. A., Minneapolis, - 1877.

The Hon. MORRIS LAMPREY, M. A., St. Paul, - "

The Hon. WILLIAM R. MARSHALL, St Paul, - 1878.

The Hon. A. A. HARWOOD, Austin, - - - - - "

The Hon. HENRY H. SIBLEY, St. Paul, - - - - 1879.

The Hon. RICHARD CHUTE, Minneapolis, - - - 1879.

The Hon. THOS. S. BUCKHAM, M. A., Faribault, 1879.

AND EX OFFICIIS,

The Governor of the State,

The Hon. JOHN S. PILLSBURY, Minneapolis.

The State Superintendent of Public Instruction,

The Rev. D BURT, M. A., St. Paul.

The President of the University,

WILLIAM W. FOLWELL, M. A., Minneapolis.

OFFICERS.

The Hon. HENRY H. SIBLEY, St. Paul, *President.*

The Hon. PARIS GIBSON, Minneapolis,
Recording Secretary and Treasurer.

WILLIAM W. FOLWELL, Minneapolis, *Corresponding Secretary.*

STANDING COMMITTEES.

Executive Committee—Regents PILLSBURY, GIBSON, LAMPREY and CHUTE

Committee on Faculty and Courses of Study—Regents SIBLEY, MARSHALL, HARWOOD, BURT and BUCKHAM.

Committee on Agricultural College—Regents MARSHALL, HARWOOD and BUCKHAM.

Committee on Library—Regents GIBSON, BURT and PILLSBURY.

Auditing Committee—Regents SIBLEY, MARSHALL and LAMPREY.

MEETINGS.

The Annual Meeting takes place on the Second Tuesday in December; other meetings occur in the Spring Recess, and on Commencement Day.

OFFICERS OF INSTRUCTION.

William W. Folwell, M. A., President, *502 5th St. S. E.*
Instructor in Political Economy and Librarian.

G. Campbell, M. A., B. D., Vice President, *1319 4th St. S. E.*
Professor of Mental and Moral Philosophy.

Versal J. Walker,* M. A., *1003 6th St. S. E.*
Professor of the Latin Language and Literature.

Jabez Brooks, M. A., D. D., *1706 Laurel Avenue, W. D.*
Professor of the Greek Language and Literature.

Edwin J. Thompson, M. A., *813 3d St. S. E.*
Professor of Mathematics and Astronomy.

Newton H. Winchell, M. A., *State Geologist, State St. E. D.*
Professor of Geology and Mineralogy.

Charles N. Hewitt, M. D., *Red Wing.*
Non-Resident Professor of Public Health.

* Died May 18th, 1876.

MITCHELL D. RHAME, M. A., *1402 4th St. S. E.*
Professor of Civil and Mechanical Engineering.

STEPHEN F. PECKHAM, M. A., *121 Pleasant St. E. D.*
Professor of Chemistry and Physics.

JOHN G. MOORE, B. A., *Nicollet House.*
Professor of North European Languages.

MOSES MARSTON, M. A., *324 5th St. S.*
Professor of the English Language and Literature.

RICHARD W. LAING, LL. D., *1600 5th St. S. E.*
Professor of History and Elocution.

HELEN SUTHERLAND, M. A., *Preceptress*, *719 3rd St. S. E.*
Assistant Professor of Latin.

CHARLES Y. LACY, B. Agr., *204 4th St. S. E.*
Assistant Professor in charge, of Theory and Practice of Agriculture.

LOUIS W. PECK, *121 Pleasant St. E. D.*
Instructor in Physics and Drawing.

OTHER OFFICERS.

WILLIAM T. SCOTT, *Farm Superintendent, 22 Prospect St. E. D.*

JOHN S. CLARKE, *First Assistant Librarian, Room 25.*

GRAHAM C. CAMPBELL, *Second Assistant Librarian, Room 25.*

CLARK STEWART, B. S., B. E., *Assistant in Chemical Laboratory.*

J. CLARENCE BRYANT, *Janitor, Room 26.*

FRED C. BOWMAN, *Carpenter, Room 41.*

FACULTIES OF THE UNIVERSITY.

THE GENERAL FACULTY.

The PRESIDENT; Professors CAMPBELL, WALKER, BROOKS, THOMPSON, WINCHELL, RHAME, PECKHAM, MOORE, MARSTON; Assistant Professors LAING (*Secretary*), and LACY.

THE SPECIAL FACULTIES.

I. Of the College of Science, Literature, and the Arts:

The PRESIDENT; Professors CAMPBELL, WALKER, BROOKS, THOMPSON, (*Secretary*), WINCHELL, PECKHAM, MOORE, and MARSTON; Assistant Professor LAING.

II. Of the College of Mechanic Arts:

The PRESIDENT; Professors THOMPSON, WINCHELL, RHAME, (*Secretary*), PECKHAM and MARSTON.

III. Of the College of Agriculture:

The PRESIDENT; Professors PECKHAM, MARSTON; Assistant Professor LACY, (*Secretary*.)

GRADUATES.

BACHELORS IN ARTS.

Warren Clarke Eustis,	Hennepin Co.	1873.
Henry Martyn Williamson,	Nicollet "	"
George Edwin Ricker,	Hennepin "	1874.
Andrew Russell Cass,	Canada.	1875.
Julius Elliott Miner,	Goodhue "	"
Simon Peter Starritt,	Wright "	"

BACHELORS IN SCIENCE.

Edward Chatfield,	Fillmore Co.	1874.
Clark Stewart,	Hennepin "	1875.
Samuel Addison Rank,	Fillmore "	"

BACHELORS IN LITERATURE.

Helen Mar Ely,	Winona Co.	1875.

BACHELORS IN CIVIL ENGINEERING.

Henry Clay Leonard,	Fillmore Co.	1875.
Samuel Addison Rank,	" "	"
Clark Stewart,	Hennepin "	"

STUDENTS.

ALPHABETICAL ROLL, 1875-6.

Enos Stevens Alexander,	Urbana, Ill.	Scientific, 1.
Samuel Gilmore Anderson,	Eden Prairie.	Classical, 4
Frank Henry Anson,	Minneapolis, W. D.	Modern, 4.
Otway Wilkinson Baldwin,	" "	Classical, 4.
Franklin Steele Barnard,	" E. D.	Scientific, 4.
Walter Barrett,	Wasioja.	Scientific, 2.
William Lincoln Bassett,	Minneapolis, W. D.	Scientific, Sen.
Margaret Stranger Bayliss,	Winona.	Special.
Frank Collins Berry,	Minneapolis, E. D.	Scientific, 3.
Frederick Gerald Berry,	Brooklyn.	Scientific, 3.
Fred Capin Bowman,	Litchfield.	Special.
Edward Jerome Boylston,	Pleasantville, Pa.	Scientific, 3.
Adin Pease Brooks,	Minneapolis, W. D.	Classical. 3.
David Denslow Brooks,	" "	Classical, 4.
Olive Emma Brooks,	" "	Scientific, 4.
Charles Irwin Brown,	Mankato,	Scientific, Jun.
Cora Brown,	St. Louis, Mo.	Special.
Sarah Jennie Brown,	Minneapolis, E. D.	Special.

Wiley Augustus Brown,	Eden Prairie.	Scientific, 4.
Herbert John Broughton,	Minneapolis, E. D.	Scientific, 4.
James Francis Bryant,	St. Peter.	Classical, 3.
Julian Clarence Bryant,	“	Classical, 1.
Catherine Amelia Burnes,	Minnetonka.	Scientific, 2.
Diana Burnes,	“	Scientific, 2.
Charles Spencer Bushnell,	Minneapolis, W. D.	Scientific, 1.
Frederick Ware Buswell,	Afton.	Scientific, 2.
Martha Appleton Butler,	Franklin, Mo.	Scientific, Sen.
Charles Morey Butts,	Plainview.	Scientific, 1.
Timothy Edward Byrnes,	Kingston.	Scientific, 3.

Miriam Bailey Cahill,	Minneapolis, W. D.	Scientific, 4.
Graham Cox Campbell,	Mid. Stewiacke, N. S.	Class., Jun.
Margaret Agnes Campbell,	“	Modern, 4.
Matilda Jane Campbell,	Machias, Me.	Modern, Jun.
George Gray Carville,	Faribault.	Scientific, 3.
Caroline Louise Chamberlain,	Minneapolis, W. D.	Special.
Francis Asbury Chamberlain,	“ “	Modern, 2.
Wm. Eugene Chamberlain,	“ “	Special.
Eva Mary Champlin,	Maple Grove.	Scientific, 2.
Clara Belle Childs,	Prescott, Wis.	Special.
Joel Nathaniel Childs,	“ “	Classical, Jun.
Frederick Hoag Clark,	Richfield.	Scientific, 2.
John Sinclair Clarke,	St. Mary's, N. S.	Classical, Sen.
Luella Cloud,	Minneapolis, W. D.	Scientific, 4.
John McDowell Cochrane,	“ “	Classical, 4.

Henry Waldo Coe,	Morristown.	Scientific, 4.
Warren Eames Colburn,	Preston.	Modern, 3.
John Franklin Collom,	Minneapolis, W. D.	Classical, 2.
Thomas H. B. Columbia,	Winona.	Classical, 2.
John James Colwell,	Newport.	Classical, 2.
Ellen Louise Coolbaugh,	Minneapolis, E. D.	Modern, 3.
Ellen Cooney,	Afton.	Modern, 3.
Thomas Cooney,	“	Scientific, 4.
Charles Arthur Couillard.	Richfield.	Scientific, 1.
Fred Leslie Couillard,	“	Scientific, 1.
Alice Cowell,	Newport.	Modern, 2.
John Coy,	Minneapolis, W. D.	Special, Eng.
Lettia May Crafts,	“ “	Modern, 4.
Robert Henry Crafts,	“ “	Scientific, Sen.
Ebenezer Abraham Currie,	St. Charles.	Classical, Jun.
William Andrew Currie,	“	Scientific, 3.

William Sanborn Dawley,	Lake City.	Scientific, 3.
Ida Kate Dearborn,	Monticello.	Modern, 4.
George Dexter,*	Morristown.	Scientific, 4.
Arthur Graves Douglass,	Minneapolis, W. D.	Special.

Arthur Eastman,	“ E. D.	Special.
Henry B. Eddy,	“ W. D.	Special.
Etta Medora Elliot,	“ “	Classical, 2.
Frank Eustis,	Saint Anthony.	Classical, Jun.
Fred Eustis,	“	Classical, Jun.

John Bradley Eustis,	St. Anthony.	Classical, 1.
George Rollin Farmer,	Spring Valley.	Modern, 4.
Gustave Fischer,	New Ulm.	Scientific, 4.
Patrick Fitzpatrick,	Lanesboro.	Special.
Fred Hascal Foster,	Minneapolis, W. D.	Classical, 1.
Henry Wright Foster,	" W. D.	Scientific, 3.
Owen Foster,	" W. D.	Scientific, 3.
Viola Fuller,	Austin.	Modern, Jun.

Addison Gage,	Anoka.	Scientific, 2.
Nettie Getchell,	Minneapolis, E. D.	Scientific, 1.
Philip Gibson,	" W. D.	Scientific, 4.
Lewis Singer Gillette,	Niles, Mich.	Civ. Eng. Sen.
Robert John Glenn,	Minneapolis, W. D.	Classical, 4.
John Finley Goodnow,	" "	Classical, 2.
Calvin Gibson Goodrich,	" "	Scientific, 2.
James Bennett Gould,	Eden Prairie.	Classical, 4.
Horace Burnham Greeley,	Mapleton.	Scientific, 3.
Allen Jay Greer,	Lake City.	Scientific, 2.
Charles Greer,	"	Scientific, 2.
Charles Melvin Grimes,	Minneapolis, Tp.	Modern, 4.
Emma Elizabeth Grimes,	"	Modern, 4
George Sutherland Grimes,	"	Scientific, 4.
Frank Sessions Griswold,	Minneapolis, W. D.	Elem. Agr., 3.
Claus Jeremiah Gunderson,	Alexandria.	Special.
Francis Wayland Hale,	Cutchogue, L. I.	Special.

Alberton Heath Hall,	Minneapolis, W. D.	Classical, 4.
Florence Elizabeth Hall,	Hudson, Wis.	Scientific, 4.
James Barclay Hall,	Farm Hill.	Special.
Pearl Mitchell Hall,	Minneapolis, W. D.	Scientific, 4.
Caroline M. Hanscome,	Brooklyn Center.	Scientific, 4.
Frank Kimball Harriman,	Corinna.	Classical, 4.
Warren Hauser,	Minneapolis, W. D.	Classical, 4.
Carrie Adeline Hayes,	" E. D.	Scientific, 2.
Nellie Hayes,	" "	Scientific, 2.
Albert Preston Hendrickson,	St. Paul.	Scientific, Jun.
Eugene Alvin Hendrickson,	"	Civ. Eng., Sen.
Walter Scott Hern,	Minneapolis, E. D.	Scientific, 3.
Clarence Luther Herrick,	" W. D.	Scientific, 4.
John Wicks Heywood,	Sandusky, O.	Special.
Alvin Hildreth,	Sumner.	Modern, 2.
Henry Hinds,	Shakopee.	Scientific, 4.
James Hinton,	Little Valley.	Special.
Andrew Holt,	Carver.	Scientific. 3.
Joseph Elisha Horton,	Preston.	Modern, 3.
Thomas Prentiss Allen Howe,	Minneapolis, W. D.	Scientific, 1.
Judson Torrey Howell,	Chatfield.	Scientific, 1.
Moses Gilbert Hubbard,	Minneapolis, W. D.	Scientific, 3.
Seymour Isaac Hudgins,	Grand Forks, D. T.	Classical, 2.
John Corrin Hutchinson,	Hastings.	Classical, Sen.
Lura Dell Hutchinson,	"	Modern, Jun.
George Taylor Huy,	Minneapolis, W. D.	Classical, 4.

William Franklin Hurlbut,	Dayton.	Modern. 2.
Ella Francis Hyde,	Mazeppa.	Scientific, 3.
Edward Stowell Hyde,	"	Scientific, Jun.

Augustus Johnson,	Detroit City.	Scientific, 4.
Everett Carpenter Johnson,	Saint Charles.	Scientific, 3.
William Bishop Judd,	Minneapolis, W. D.	Scientific, 4.

John Charles Kassube,	" E. D.	Scientific, Jun.
John Washington Keating,	" W. D.	Classical, 4.
Jane Kerr,	Monticello.	Special.
William Winchester Keysor,	Mankato.	Modern, 2.
Elizabeth Amelia Kirkwood,	Crystal Lake.	Modern, 2.
Louise Adelaide Kirkwood,	"	Modern, 4.
Ida W. Maria Knaak,	Waterville.	Scientific, 3.
Minna Elinora Knaak,	"	Scientific, 3.
Frances Ada Knox,	Spring Valley.	Classical, 3.
Laura Augusta Kreis,	Monticello.	Modern, 4.

Bessie Sumner Lawrence,	Minneapolis, E. D.	Modern, 3.
Anna Jane Leonard,	Washington.	Scientific, 4.
Henry C. Leonard, B. E.	"	Post Graduate.
William Edwin Leonard,	Minneapolis, W. D.	Classical, Sen.
John Hamilton Lewis,	Monticello.	Classical, 1.
Martha Jones Lewis,	"	Modern, 4.
George Lilly,	Morristown.	Classical, 4.
John Lind,	Cornish.	Modern, 4.

Laura Alberta Linton,	Cook's Valley.	Scientific, 2.
David Albert Locke,	Minnetonka.	Scientific, 4.
Samuel Allen Locke,	"	Scientific, 4.
William Herod Locke,	"	Scientific, Sen.
Albert Carpenter Loring,	Minneapolis, E. D.	Scientific, 3.
William Francis McCarthy,	" W. D.	Special.
Charles Frederick McComb,	Stillwater.	Scientific, 2.
Alfred Griece McCord,	Monticello.	Classical, 3.
Frank Smith McKean,	Lakeland.	Classical, 2.
Wilbert Howard McMullen,	Minneapolis, E. D.	Scientific, 1.
George McMurphy,	Prescott, Wis.	Scientific, 2.
Peter McNulty,	Elliota.	Classical, 3.
Emma Ernestine Maes,	Minneapolis, E. D.	Modern, 4.
Mary Anna Maes,	" "	Special.
Stephen Mahoney,	Belle Plaine.	Classical, Jun.
John Gunderson Naeseth,	Hader.	Special.
Ida Neher,	Monticello.	Special.
Isabel Alice Newton.	Maple Grove.	Scientific, 3.
Thomas Rogers Newton,	"	Classical, 1.
Robert Peter Andrew Nix,	New Ulm.	Scientific, Jun.
John Peter Oakey,	Wayzata.	Special.
Nelson Paul Olson,	Litchfield.	Scientific, 4.
Walter Stone Pardee,	Minneapolis, E. D.	Arch., Jun.
George Henry Partridge,	Winona.	Scientific, 2.

Augusta Wymond Parke,	Leech Lake.	Modern, 4.
David Gardner Parker,	Minneapolis, W. D.	Scientific, 4.
John Pemberton,	Newport.	Classical, 3.
Joseph Pemberton,	“ “	Scientific, 4.
John Waldo Perkins,	Monticello.	Classical, Jun.
Helen Winfred Perley,	Carlisle, Iowa.	Modern, 3.
Edward Peterson,	Litchfield.	Scientific, 4.
Lawrence Walter Pettijohn,	Shakopee.	Scientific, 4.
Nelson Pettis,	Winona.	Special.
Mary Ambrosia Pierson,	Owatonna.	Modern, 2.
George Francis Piper,	Garden City.	Scientific, 3.
Byron Preston,	Postville, Iowa.	Scientific, 2.
Edwin Burnham Pribble,	Osseo.	Scientific, Sen.
Daniel Pritchard.	Judson.	Special.
Evan Rowland Pritchard,	“	Classical, 1.
William Putnam.	Minneapolis, W. D.	Scientific, 2.
Vliet Quackenbush,	Hoosick, N. Y.	Scientific, 4.
James Almond Quinn,	St. Paul.	Agricultural, Jun.
Sarah Luella Rand,	Minneapolis, W. D.	Modern, 4.
Rufus Randall Rand,	“ “	Scientific, 2.
Samuel A. Rank, B. E., B S..	Dover Center.	Post Graduate.
Albert William Rankin,	Saint Peter.	Scientific, 3.
Minnie Aurora Reynolds,	Detroit.	Scientific, 4.
Robert William Rhames,	Rochester.	Classical, 2.
Flora Martha Rich,	Minneapolis, E. D.	Scientific, 1.
George Edwin Ricker, B. A.	“ “	Post Graduate.

Charles Henry Rickert,	Rochester.		Classical, 1.
Mary Warwick Robinson,	Minneapolis,	W. D.	Scientific, 1.
Chelsea Joseph Rockwood.	Garden City.		Classical. 2.
Alva Lucius Roe,	Afton.		Scientific, 2.
Marion Hooker Roe,	"		Scientific, 2.
Caroline Rollit,	Minneapolis,	E. D.	Modern. 2
Charlotte Adelaide Rollit,	"	"	Modern, Jun.
Dickinson Logan Rose,	Mankato.		Scientific, 1.
Quintin John Rowley,	Oakland.		Classical. 4.
Clara Russell,	Minneapolis,	E. D.	Modern, 4.
John Milton Russell,	"	W. D.	Classical, 4.
Mabel Russell,	"	E. D.	Special.
Milton Morrill Russell,	"	"	Scientific, 4.

Edward Emmore Salls,	Le Sueur.		Classical, 3.
Charles Wilbur Savidge,	Cleveland.		Classical. Jun.
William Hines Savidge,	"		Special.
Leslie Harold Scofield,	Bloomington.		Elm. Agr., 4.
Francis Jeremiah Scott,	Jordan.		Scientific, 2.
Caroline Eastman Secombe,	Minneapolis,	E. D.	Modern, 1.
Peter Felix Shillock,	"	"	Scientific, 4.
Mary Elizabeth Shoppe,	"	"	Scientific, 2.
Harvey Jay Smith,	"	"	Scientific, Jun.
Frank Curtis Snyder,	"	W. D.	Scientific, 4.
Fred Beal Snyder,	"	"	Classical, 4.
Nehemiah Palmer Stanton,	Minneapolis,	W. D.	Scientific, 4.

Isaac Edwin Staples,	Monticello.	Scientific, 4.
Simon Peter Starritt, B. A.	"	Post Graduate.
Emmore Eugene Sterling,	Elysian.	Scientific, 3.
Clark Stewart, B. S., B. E.,	Minneapolis, E. D.	Post Graduate.
Jessie May Sweat,	Brownfield. Me.	Modern, 4.
John Aiken Sweat,	" "	Classical, Sen.
Myron DeVere Taylor.	Melrose.	Scientific, 1.
Burdett Thayer,	Spring Valley.	Special.
Charles Edward Thayer,	Minneapolis, E. D.	Civ. Eng., Sen.
Henry Woodbridge Thayer,	" "	Classical, 2.
Marcus Dow Thayer,	" "	Classical, Jun.
Albert Delano Thompson,	" W. D.	Scientific, 4.
Charles Albert Thompson,	Newburgh.	Special
Edward Robert Thompson,	"	Scientific, 2.
Ellen Rebecca Thompson,	Pilot Mound.	Scientific, 3.
Etta Thompson.	Minneapolis, W. D.	Scientific, 2.
George Burt Thompson,	" E. D	Classical, 2.
Lillian Sanborn Todd,	" W. D.	Scientific, 3.
Horace Simpson Tomlinson,	Saint Peter.	Scientific, 3.
Eva Town,	Owatonna.	Scientific, 2.
William Amos Upton,	Minneapolis, E. D.	Scientific, 3.
Effie Inez Valentine,	Rushford.	Scientific, 4.
William F. Valentine,	Winona.	Special.
John Risley VanCleve,	Minneapolis, E. D.	Special.
Wm. Henry Vanderburgh,	" W. D.	Classical, 2.

Alphonso Rudolf Walker,	Burr Oak, Ia.	Modern, 3.
Clarence Tully Ward,	Waseca.	Classical, 1.
William John Warren,	Medford.	Scientific, 1.
Clarence Wedge,	Albert Lea.	Scientific, 1.
Albert McClure Welles,	White Bear Lake.	Classical, Jun.
Martha Isabel West,	Minneapolis, E. D.	Scientific, 2.
Willis Mason West,	Saint Cloud.	Classical, 2.
Alice Wheeler,	Minneapolis, W. D.	Special.
Lucy Sophia White,	Honolulu, Sandwich Is.	Special.
Elizabeth Baird Whitney,	Minneapolis, W. D.	Special.
Asa Stearns Wilcox,	Plainview.	Modern, 4.
Helen Josephine Wilcox,	"	Modern, 1.
Minnie Ethlyn Wilcox,	"	Modern, 1.
Herbert Milo Wilcox,	Greenwich, N. Y.	Classical, 3.
Edward Willes,	Saint Paul.	Classical, 1.
Daniel Williams,	Glen Roy, Ia.	Classical, 1.
Wm. Wadsworth Williams,	"	Classical, 3.
Lillie Ruth Williams,	Brooklyn Center.	Special.
Margaret Elizabeth Wilson,	Minneapolis, W. D.	Special.
Edward Emil Witschi,	St. Francis.	Special.
George Albert Wood,	Elliota.	Modern, 1.
Henry Emerson Young,	Minneapolis, E. D.	Scientific, 4.
Howell Winthrop Young,	" "	Scientific, 1.

SUMMARY 1875-6.

COLLEGE OR DEPARTMENT.	CLASS.	GENTLEMEN.	LADIES.	TOTALS.	
SCIENCE, LITERATURE AND THE ARTS,	Graduates,	5		5	
	Senior,	8	1	9	
	Junior,	16	4	20—	34
MECHANIC ARTS,	Senior,	3		3	
	Junior,	1		1	
	Special.	1		1—	5
AGRICULTURE, ADVANCED COURSE,	Junior,	1		1	
AGRICULTURE, ELEMENTARY "	III. & IV.,	2		2—	3
COLLEGIATE DEPARTMENT,	First,	24	6	30	
	Second,	32	16	48—	78
	Third,	31	11	42	
	Fourth,	49	20	69	
	Special,	21	15	36—	147
TOTALS		196	71		267

OR BY CLASSES ONLY.

POST GRADUATES	5
SENIORS—OF ALL DEPARTMENTS	12
JUNIORS— "	22
SOPHOMORES,—FIRST CLASS, COLLEGIATE DEPARTMENT	30
FRESHMAN,—SECOND " "	48—117
PREPARATORY, THIRD CLASS, COLLEGIATE DEPARTMENT	42
PREPARATORY, FOURTH " " "	69
SPECIAL 37, ELEMENTARY AGRICULTURE, 2	39—150
TOTAL	267

THE UNIVERSITY.

HISTORICAL.

In the act erecting the Territory of Minnesota, approved March 9th, 1849, the Congress of the United States granted two sections of public lands for the endowment of a university.

The Territorial Legislature of 1851, on the thirteenth day of February, passed an act providing for the establishment of "an institution under the name and style of 'THE UNIVERSITY OF MINNESOTA," and for its location "at or near the Falls of St. Anthony."

The State Constitution, adopted by the people on the thirteenth day of October, 1857, confirmed the previous action, as follows:

"THE LOCATION OF THE UNIVERSITY OF MINNESOTA AS ESTAB-"LISHED BY EXISTING LAWS, IS HEREBY CONFIRMED, AND SAID "INSTITUTION IS HEREBY DECLARED TO BE THE UNIVERSITY "OF THE STATE OF MINNESOTA. ALL THE RIGHTS, IM-"MUNITIES, FRANCHISES AND ENDOWMENTS HERETOFORE GRANTED "OR CONFERRED, ARE HEREBY PERPETUATED UNTO THE SAID "UNIVERSITY; AND ALL LANDS WHICH MAY BE GRANTED HERE-"AFTER BY CONGRESS, OR OTHER DONATIONS FOR SAID UNIVER-"SITY PURPOSES, SHALL VEST IN THE INSTITUTION REFERRED TO "IN THIS SECTION."—*Article VIII., Sec. 4, p. 37 of the General Statutes of Minnesota, 1869.*

An effort was thereupon made to organize and open the institution. A plan of a building was adopted and a portion of it erected. The financial revulsion of 1857–8, followed closely by the war of the rebellion, checked the progress of the enterprise, and left the institution heavily encumbered.

In 1864 the Legislature appointed a special commission, composed of Hon. John S. Pillsbury, Hon. John Nichols, Hon. O. C. Merriman, to liquidate the accumulated indebtedness, by selling a portion of the public lands. About fourteen thousand acres were thus disposed of, and all debts and obligations were discharged.

The University dates its actual organization from the law of the state approved February 18th, 1868, entitled "An Act to Reorganize the University of Minnesota, and to establish an Agricultural College therein." This act, as modified in some details by an act approved March 4th, 1872, may be found printed in full in the Calendar for the university year 1874–5.

The acts referred to may be said to constitute the CHARTER of the University. In pursuance of the eleventh section, the Special Board of three Regents already mentioned, made over the whole property and franchises to a Board duly appointed and organized under the new law.

The seventh section, placing the income to be derived by the state from the so-called "Agricultural College" land grant, at the disposal of the Board of Regents, imposes upon them by obvious implication, the duty of carrying out the provisions of the act of Congress making that grant, referred to in the section. This act forms Chapter CXXX. of the Laws of the United States, 1862, and is entitled "An act donating public lands to the several States and Territories which may provide Colleges for the benefit of Agriculture and the Mechanic Arts" The full text may be found in the Calendar for 1874–5.

GENERAL PLAN.

Under the organic law the Board of Regents are authorized to establish any desired number of Departments or Colleges, the following, however, being specified:

"A Department of Elementary Instruction;

"A College of Science, Literature and the Arts;

"A College of Agriculture;

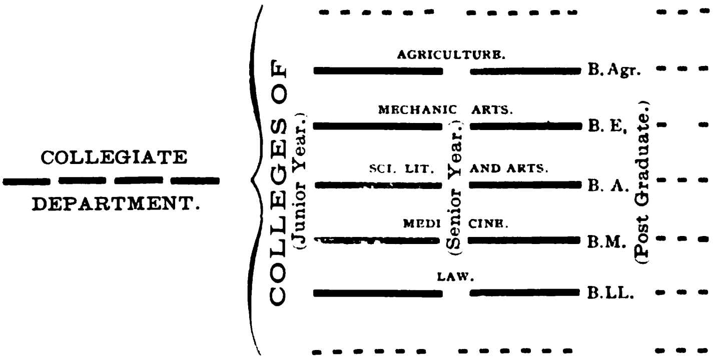
"A College of Mechanic Arts;

"A College or Department of Medicine;

"A College or Department of Law."

The Colleges of Law and Medicine have not yet been organized.

The relative positions of these Colleges or Departments are illustrated by the following diagram:



The Department of Elementary Instruction, otherwise designated, by virtue of a by-law of the Board of Regents, the "COLLEGIATE DEPARTMENT," is introductory to the permanent Colleges of the University. It includes, together with the work of the freshman and sophomore classes of the ordinary college courses, the remainder of the old Preparatory Department, so long as any may be retained. In common with the colleges and universities of the newer states, the institution has been obliged to carry a large amount of preparatory work. One year of such work has been already dropped, and others will be formally discontinued as soon as may be.

This arrangement of departments emphasizes and formulates the growing tendency and custom of American colleges and universities to make the close of the second or sophomore year a branching point for certain professional or technical courses, and for the introduction of optional studies. It presupposes a separation of the secondary and superior epochs of education, and a corresponding assortment of studies. The high schools and other "fitting schools" of the state are thus invited to extend their work substantially up to the junior year. When this shall have been generally done, the University will, as provided by law, dispense with the whole of the Department of Elementary Instruction, and will extend her work on post-graduate ground. In the meantime the ELEMENTARY work of the University will begin at the point where the schools of the state leave off.

The general plan of the University contemplates a group or federation of distinct colleges, having each its own organization, faculty, buildings and equipment. Among the advantages claimed for this general plan may be named the following:

1. A faithful adherence to the letter and spirit of the laws, state and national, which have established and endowed the

University, and which contemplate it as a federation of literary, professional and industrial COLLEGES.

2. That, while offering the old college curriculum and discipline in their best forms to the literary and professional classes, the University will provide for the industrial classes that "liberal and practical education" required by law and public sentiment.

3. The separation of the natural epochs of secondary and superior education, and the ultimate liberation of the University, from the elementary work of the former: and coinciding with this division, an advantageous assortment of studies, methods and discipline, suitable to the two periods respectively.

4. A close and vital articulation of the University with the public school system of the state.

5. The elevation of the high schools, by enlarging the recognized sphere of their instruction.

6. The elevation of the professional schools by requiring of candidates for degrees a good general education as a prerequisite for admission, while not insisting upon the impossible condition that all shall have gone over the whole of the old college course.

7. The elevation, in particular, of the Colleges of Agriculture and Mechanic Arts to equal rank and standing with other university courses, and the separation of the studies and exercises properly belonging to them, from the elementary branches taught in the primary and secondary schools; which branches it is not the business of COLLEGES to teach.

8. Great freedom in the arrangement of details to suit varying conditions, the main plan remaining unchanged.

To put the above plan of organization into effect, as well as to prescribe the rights, powers and duties of the various parties concerned, the Board of Regents have from time to time enacted such by-laws as seemed to be necessary. These, after being submitted to the General Faculty for their revision, have been arranged and codified for convenience of reference. See Calendar for 1874–5.

INSTRUCTION.

PROFESSORSHIPS.

The following is a scheme of DEPARTMENTS OF INSTRUCTION at large, for the various Colleges or Departments of the University, authorized by the Board of Regents:

I. ACADEMIC OR GENERAL.	ASSOCIATED SUBJECTS.
1. Mathematics.	
2. Astronomy.	
3. Chemistry	
4. Physics.	
5. Geology and Mineralogy.	
6. Botany.	
7. Zoology.	
8. Physical Geography.	
9. English Language and Literature.	Rhetoric, Logic, Anglo-Saxon.
10. German Language and Literature.	North European Languages.
11. French Language and Literature.	South European Languages.
12 Latin Language and Literature.	Roman History and Antiquities.
13. Greek Language and Literature.	Greek History and Antiquities.
14. Comparative Philology.	
15. Mental and Moral Philosophy.	History of Philosophy.
16. History.	History of Civilization. Philosophy of History.
17. Social Science.	The Civil Government. International Law.
18. Elocution and Vocal Culture.	Music, Gymnastics.
19. Public Health.	Anatomy and Physiology.
20. Industrial Drawing.	Descriptive Geometry.
21. Fine Arts.	Æsthetics.

II. PROFESSIONAL.

22.	Theory and Practice of Agriculture.	Horticulture and Arboriculture.
23.	Civil Engineering.	Architecture.
24.	Mechanical Engineering.	Mechanics.
25.	Military Science.	
26.	Veterinary Science	Stock Breeding.
27.	Education.	
28.	Business.	

The following consolidations and assignments are now in force:

1. Astronomy is attached to the department of Mathematics.
2. Physics is attached to the department of Chemistry.
3. Botany, Zoology and Physical Geography are in charge of the Professor of Geology and Mineralogy.
4. No instruction is offered in the North European Languages, except the German and Scandinavian.
5. The French Language and Literature are in charge of the Professor of Military Science.
6. No instruction is offered in South European Languages, except Italian.
7. Comparative Philology is attached to the department of Mental and Moral Philosophy.
8. The History of Civilization is in charge of the President.
9. Instruction in Philosophy of History is given in connection with the History of Civilization.
10. Civil Government and International Law are attached to the department of History.
11. Elocution and Vocal Culture are in charge of the Professor of History.
12. No instruction is offered in Music and Gymnastics.
13. The department of Public Health (with associated subjects) is in charge of the Secretary of the State Board of Health.
14. Industrial Drawing and Descriptive Geometry are attached to the chair of Civil Engineering.
15. No instruction is offered in the department of Fine Arts, except a short course of lectures.
16. Mechanical Engineering is united with Civil Engineering.

17. Veterinary Science and Stock Breeding are in charge of the Professor of Theory and Practice of Agriculture.
18. No instruction is offered in the departments of Business or Education.

COURSES OF STUDY—DEGREES.

ACADEMICAL.

I The COLLEGIATE DEPARTMENT offers three courses of study, called Classical, Scientific, and Modern. The Classical Course has for its leading studies the Greek and Latin languages. The Scientific Course is characterized by a succession of elementary natural sciences. The Modern Course is distinguished by the prominence given to the modern languages. Students choose their courses at time of entrance. The General Faculty may also permit students to select studies from the various courses.

At the close of his course in this department each student has his option whether to enter at once, with a fair preparation, one of the professional colleges, or to proceed with higher academical studies in the College of Science, Literature and the Arts. No degrees are offered in this Collegiate Department.

II. The COLLEGE OF SCIENCE, LITERATURE AND THE ARTS presents, likewise, three courses of study:

A COURSE IN ARTS;

A COURSE IN SCIENCE;

A COURSE IN LITERATURE.

These lead, respectively, to the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Literature.

PROFESSIONAL.

I. The COLLEGE OF AGRICULTURE offers two courses: (1) an advanced or University Course, based on the Scientific Course of the Collegiate Department, leading to the degree of Bachelor of Agriculture; (2) an Elementary Course, coinciding to a considerable extent with the Scientific Course of the Collegiate Department.

II. The COLLEGE OF MECHANIC ARTS offers three advanced or university courses, leading to appropriate Baccalaureate degrees:

A COURSE IN CIVIL ENGINEERING;

A COURSE IN MECHANICAL ENGINEERING;

A COURSE IN ARCHITECTURE.

These courses are based on the Scientific Course of the Collegiate Department.

No honorary degrees are conferred by this University.

The detailed schedules of the courses of study in the various Colleges of Departments will be found under appropriate titles. Attention is called to the following

GENERAL STATEMENTS.

1. The University year embraces thirty-eight weeks exclusive of recesses, and is divided into three terms. The first term has thirteen weeks; the second, twelve weeks; and the third, thirteen weeks.

2. As a GENERAL rule each student, in whatever department, has three recitations or lectures a day for five days in the week, besides rhetorical, military and other EXERCISES.

3. The schedules are arranged according to the wants of the regular students. Special students must select (in equivalent amounts) from the studies as thus laid down.

4. Students of any department or college may elect studies of another department under the direction of the faculties and professors.

5. Except as otherwise ordered by the Board of Regents, the recitations and exercises of the various colleges or departments are conducted according to consolidated term programmes, adopted from time to time by the General Faculty.

6. Students in different courses are united in recitations whenever convenient.

7. Elective studies, to count on standing, must be chosen from corresponding years and terms.

8. The merit of students as regards scholarship, is determined by means of examinations only. The examinations* are habitually conducted in writing.

9. Any person passing the required examinations will receive the appropriate degree or certificate.

10. The schedules present merely leading titles and subjects. The usual collaterals must in all cases be implied. The rhetorical, military and other exercises are likewise not specified, being held according to appointment of the faculties from time to time.

11. So soon as may be necessary, regular courses of post-graduate studies will be framed leading to the higher academical and professional degrees. In the meantime, graduates desiring to continue their studies, will make such arrangements with the faculties and heads of departments as may be feasible.

12. The following statements show the nature and scope of the work in the various departments. Students preparing to enter are requested to note the KIND of preparation required.

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*The examination questions being commonly written on the blackboard after the assembling of the classes cannot be furnished to applicants.

I. MATHEMATICS.

PROFESSOR THOMPSON.

The course in Pure Mathematics commences on a basis of common Arithmetic and the Algebra of simple equations, and assigns twenty-six weeks to the completion of Algebra; ten weeks to Geometry; eight weeks to Conic Sections; four weeks to Land Surveying; twenty-six weeks to General Geometry, including Differential and Integral Calculus, and twelve weeks to Modern Geometry and Higher Equations.

The entrance examinations contemplate a thorough knowledge of the fundamental operations in Arithmetic, Factoring, Common and Decimal Fractions, Compound Numbers, Percentage (including Exchange and Banking), Proportion, Square and Cube Root with their practical applications. In Elementary Algebra, candidates will be examined in Notation and Numeration of Algebra, Algebraic Addition, Subtraction, Multiplication and Division, Factoring, Fractions, Simple Equations, Radicals and Quadratic Equations. Examinations for advanced standing include, in addition to the above, all the studies passed over by the lower classes.

A prominent feature of the plan adopted in this department is limitation for the sake of thoroughness. It is the design to select only the cardinal principles of a given branch, concentrate attention on these, and treat all else as incidental. The results of this method are very satisfactory. An important principle once clearly understood by an entire class, the applications of it and the problems involving it are often made a matter of recreation. In Algebra, for instance, the problems and equations are regarded as no part of the treatise, other problems and equations being substituted for them.

In Geometry, the principal object desired is to understand thoroughly the logical chain that connects about two hundred geometrical propositions into one argument and one line of unbroken demonstration. The practical application of geometrical principles is fully illustrated by numerous examples.

Trigonometry is taught less by formulas than by concrete examples in Mensuration, Surveying, Navigation, and problems of the celestial sphere. All the Conic Sections are discussed, and ample time is afforded to general Geometry, with a full use of Differential and Integral Calculus.

The introduction of Modern Geometry and Higher Equations into the course offers to the mathematical student opportunities of great importance.

II. ASTRONOMY.

PROFESSOR THOMPSON.

A brief course of lectures on topics of descriptive Astronomy, is given by the Professor to the First or Sophomore class. The text-book used is Olmsted's College Astronomy, and the instruction is conducted strictly on a mathematical basis. These students are expected to become familiar with the simple problems of the sphere, involving Spherical Trigonometry, with the use of formulas, and with computations necessary for the calculation of a lunar eclipse.

Those students who elect Astronomy in the Senior year, are expected to read Bessel's method of computing solar eclipses, compute latitude and longitude, and go through with the calculation of a solar eclipse in the most rigorous method. This class is instructed in the practical use of the Telescope.

III. PHYSICS.

PROFESSOR PECKHAM.

The Course of Study offers an elementary course in Natural Philosophy, of one term, and later, a full course in Physics and Mechanics, running through three terms. The recent purchases of apparatus have furnished ample means for illustration in this department. In addition to this work, which is required, students may elect to pursue an advanced course of study in the Physical Laboratory, making their own experiments and constructing their own apparatus in a small shop provided with tools for that purpose.

IV. CHEMISTRY.

PROFESSOR PECKHAM.

During the second term all students of the second class of the COLLEGIATE DEPARTMENT, take General Chemistry. The following term the scientific students of the same class are required to take Applied Chemistry; also the students in the Modern Course, if they so elect.

Scientific students of the first class take Analytical Chemistry three times per week the first term, and twice per week the third term. Classical and Modern students electing this subject take it five times per week during the first term.

The chemical laboratory is fitted up in the best manner, with apparatus and fixtures of the most approved construction. It is designed to furnish instruction in qualitative analysis to all students in the scientific course of the COLLEGE OF SCIENCE, LITERATURE AND THE ARTS, and to all students in the COLLEGES OF AGRICULTURE and the MECHANIC ARTS, and in quantitative analysis and in special research to all students, of whatever department or College, who may desire or be entitled to such opportunities.

No charges are made for instruction, and only such charges for apparatus and chemicals as will cover actual cost to the institution. The charges for ordinary chemicals and apparatus will not exceed ten dollars per term. All glassware and other apparatus will be charged to the student at cost. The glassware that is uninjured will be received back at cost; other articles will be received back under special regulations, generally at a discount of twenty per cent. The cost of apparatus will vary from two to five dollars per term, according to the care exercised by the student

Advanced students in analytical Chemistry are free to select their subjects for analysis or research under the advice of the Professor in charge.

A cabinet of specimens illustrating the products and processes of applied Chemistry is being collected as opportunity offers. This collection will embrace fuels, ores, furnace products, textile materials both raw and manufactured; dye-woods and other materials used in dyeing; specimens illustrating the bleaching and printing of cotton, linen and woolen goods; earthen ware, pottery, etc. A good beginning has already been made, and it is hoped that large additions may be obtained during the coming year. Contributions are respectfully solicited, for which due credit will be given.

V. *GEOLOGY AND MINERALOGY.*

PROFESSOR WINCHELL.

The Third Class in the Collegiate Department spends the Winter Term on General and Dynamical Geology, recitations occurring five times per week. Dana's Manual is used, the subject matter being enlarged by blackboard diagrams and familiar lectures. Full notes and abstracts of all lectures, and explanatory matter presented during the term, are required of the class. The fullness and correctness of these notes, and the transcribed diagrams, exhibit the industry and interest of the students, thus furnishing a basis for the stated examinations.

The Junior Class spends the Winter term on Mineralogy and Lithology, meeting five times per week. The aim of this term's work is to make the student familiar with the crystalline forms and outward characters of the common minerals, and by a course in blowpipe analysis, to determine, quantitatively, their composition. After the most important minerals are thus made familiar to the student, he is ready to begin the examination and careful study of rocks. The same class continues the study of Historical Geology during the following term. This also requires daily recitations. The chief aim here is to bring out the succession of principal events in the geological history of the earth, in a series of recitations and lectures, with special reference to the continent of North America and the State of Minnesota.

The student of the science of Geology in the University, is furnished throughout with such aid as can come from a good supply of maps, diagrams, models, and other means of illustration. Use is made of Marcy's Sciopticon with a suit of geological and mineralogical slides. This means of illustration is specially valuable in the departments of Dynamical and Lithological Geology. The collections of the Geological and Natural History Survey of the State, stored by law in the University Museum, and constantly increasing, are in daily use in the class room. A series of casts of fossils, purchased of Professor Henry A. Ward of Rochester, N. Y., are available for use in the study of Historical Geology. The text-books used are those of Dana, with Fuch's and Brush's in blowpipe Mineralogy.

VI. BOTANY.

PROFESSOR WINCHELL.

The Third Class in the Collegiate Department begins Botany in the Spring Term. The elements of structural and systematic Botany are acquired by the use of a text-book and hand specimens. Each member of the class is required to analyze correctly and name independently forty or fifty species, keeping full records of the characters and peculiarities of each species. At the final examination, each student submits his record and note-book, and must be prepared to name and characterize each species, and name its family relations.

In the College of Agriculture provision is made for a special course in Botany, with reference to the wants of students expecting to pursue farming.

VII. ZOOLOGY.

PROFESSOR WINCHELL.

The course in Zoology is introduced in the Fourth Class in the Collegiate Department. During the Spring term a daily recitation is held in elementary human, and comparative Physiology.

Students in the Elementary Course in Agriculture are required, when in the Second Class, to pursue the study of Zoology during the Winter Term. In the Collegiate Department, students of the Second Class who *elect* Zoology, will recite with those in the course in Agriculture. The course will consist of a review of the Elements of Zoology with the use of the microscope and sciopticon, and illustrations from the Museum.

Students in the Collegiate Department who elect Zoology in the First Class, will be put to work in the Spring Term, in some department of Zoology, as Ornithology, or Entomology, or Conchology, making collections and studying species. Such specimens collected will be placed in the University Museum, to the credit of the collectors, when regarded worthy of exhibition. The text-books in Zoology will vary.

VIII. PHYSICAL GEOGRAPHY.

PROFESSOR WINCHELL.

During the Fall Term the Fourth Class in the Collegiate Department pursue Physical Geography. This is intended to introduce the student to the natural sciences, and, by a general and broad survey, show him what lies before.

IX. ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR MARSTON.

Collegiate Department.

FOURTH CLASS.—The study and practice of Elementary Elocution and Composition. Under the latter subject are included punctuation, capital letters, proper forms of papers of various kinds—as letters, examination papers, essays, etc., and the grammatical structure of sentences.

In the second term students of the Modern Course take Swinton's Word Analysis, Butler's Scholar's Companion, or an equivalent.

THIRD CLASS.—Elocution continued. Declamations privately rehearsed and afterwards delivered before the class. Practice in making outlines of easy descriptive and narrative themes, and in expanding outlines into short essays. Those electing English the first term study some standard modern author in connection with a hand-book of the English Language.

SECOND CLASS. — Practice in Elocution and Composition, continued. Declamations rehearsed in private and afterwards delivered before the class.

Those electing English study Anglo-Saxon and the history of the English Language, and read some standard modern author.

FIRST CLASS.—Declamations, previously rehearsed and criticised in private, given before the class, and made the subject of further criticism.

In connection with Logic and Rhetoric instruction is given in making outlines of argumentative themes, and in the higher qualities of style.

College of Science, Literature and the Arts.

JUNIORS.—First Term,—History, and a general view of English Literature; the critical study of the English of Chaucer and Shakespeare.

Students in the Modern Course, and those in the other courses who elect English, the second and third terms, read critically selections of early English; also later standard authors, as Milton, Bacon, Addison, Wordsworth, Tennyson.

Essays and original orations (six in all during the year) are required of each member of the class. Each essay or oration is carefully criticised, then rewritten; then, if approved, rehearsed, and finally presented before the University.

SENIORS.—First Term,—Elements of Criticism, with practice in criticism of authors. Essays and orations before the University—five exercises in the year, including Commencement part.

In the COLLEGES OF AGRICULTURE AND MECHANIC ARTS Juniors and Seniors have the option of all the studies of the corresponding terms of this department of instruction, and they are required to perform the same amount of rhetorical work.

X. NORTH EUROPEAN LANGUAGES.

PROFESSOR MOORE.

1. GERMAN LANGUAGE AND LITERATURE.

Collegiate Department.

German is required of all Modern students, and is optional for all Scientific students of the THIRD and SECOND Classes. The Course is as follows :

FIRST YEAR—(THIRD CLASS.)

1st Term,—Ahn-Henn's Rudiments of German.
2nd " Andersen's Mærchen, and Whitney's Grammar.
3rd " Prose selections,—Grammar continued.

SECOND YEAR—(SECOND CLASS.)

1st Term,—Schiller's Wilhelm Tell,—Grammar completed.
2nd " Goethe's Egmont,—History of Germany.
3rd " Lessing's Nathan der Weise,—History continued.

College of Science, Literature and the Arts.

1. Students who have pursued the previous course, give an additional year to advanced work, as follows :

THIRD YEAR—(JUNIOR CLASS.)

1st Term,—Goethe's Faust, with Collaterals.
2nd " Deutsche Lyrik.
3rd " History of German Literature, (Lectures.)

2. Classical students have the option of beginning German in the Junior year and pursuing it for five terms. If in any case it is necessary for them to recite at the same time with students of a lower class they are required to attend five times per week. The course coincides with that given above, so far as it extends.

II. SCANDINAVIAN LANGUAGES.

NORWEGIAN-DANISH is offered as an alternative to all students of the Senior classes in the first term. Further provision will be made as needed, for the Swedish and Icelandic tongues.

XI. FRENCH LANGUAGE AND LITERATURE.

PROFESSOR ———

Collegiate Department.

French is required of all students of the Modern Course in the FIRST CLASS, and is optional for the students of the Classical and Scientific Courses.

University Courses.

French is an option for all Juniors throughout the year, and for Seniors during the first term. Selections from the best modern authors are read by advanced students, and the usual collateral work is required.

XII. LATIN LANGUAGE AND LITERATURE.

PROFESSOR WALKER.

Collegiate Department.

The studies of the course are:

Fourth Class,—Cæsar—Commentaries, Cicero—Orations and Prose Composition.

Third Class,—Cicero, continued,—Virgil and Prose Composition.

Second, or Freshman Class,—Livy, Prose Composition completed, and Roman History begun.

First, or Sophomore Class,—Horace,—Odes, Satires and Epistles; Roman History and Antiquities.

College of Science, Literature and the Arts.

Junior Year—Germania and Agricola of Tacitus, and Satires of Juvenal. —Lectures on Roman Literature.

Senior Year—Comedies of Plautus and Terence,—Lectures on Roman Law.

The requirements in Latin for entering the Freshman, or Second Collegiate Class, are:

Latin Grammar and Reader, and with them, Part I. of Latin Prose Composition; four Books of Cæsar, five Orations of Cicero, and six Books of Virgil, with Part II. of Prose Composition.

In connection with the Reader, all declensions and rules for gender, the regular conjugations and a thorough analysis of the verb, and the most important rules of Syntax are required.

In reading the authors named, the student is expected to translate the Latin idioms into proper English forms without changing the general structure of the sentence. The syntax of cases and modes is to be thoroughly studied and applied to all constructions; the principles and words familiarized by oral retranslations and Latin composition. The student should practice pronouncing the Latin, after translating it, till the thought is taken in at sight, as from English words.

More importance is attached to thoroughness than to the amount of text passed over.

XIII. GREEK.

PROFESSOR BROOKS.

The Course of Study embraces text-books in History, Poetry, Oratory, Comedy, Tragedy, and Philosophy; and Lectures on the Greek Language, Literature, Religion, Philosophy, and Art. Collateral studies are History, Geography, Mythology, Biography, Customs, &c.

PRINCIPLES AND METHODS.—Greek is pronounced according to the accents, and with the so-called Continental sounds of the vowels and diphthongs; a knowledge of grammar and of words proceed together. In translation, the radical meaning of words is to be learned, but the precise signification in the passage rendered is to be given; the thing to be done in translating an author is to give his exact meaning in the best idiomatic, grammatical English; facts, allusions, tropes, history, chronology, mythology, topography, customs, arts, laws, grammatical forms and elements, etymologies, composition of words, are to be attended to; translation of English into Greek is based upon the author read. So far as the author himself is concerned, among the things to be noted are, the chief facts of the author's life; the contemporary history and political condition of the country, and the author's relation to them, and the character of the people; and the expression and logical scope of his thought, and the wisdom, &c., of his views.

XIV. MENTAL AND MORAL PHILOSOPHY.

PROFESSOR CAMPBELL.

Instruction in this department extends through four terms, beginning with Psychology the third term of the Junior year. The exercises in Psychology occur five times each week, one-half of the hour being occupied with a text-book recitation, and the other with a lecture on the topic in hand. The subject is investigated empirically, and is introduced by the lectures on theoretical Philology, the preceding term, and followed by the study of Philosophy proper. This subject (Ontology) is taken up in a course of lectures, occurring five times a week, the first term of the Senior year. It is pursued historically, and particular attention is directed to the philosophies of Plato and Aristotle, Kant and Hegel, translation of extracts being required from the Greek or German, as the case may be. The history closes with a discussion of the present condition of Philosophy in the leading Universities in the world. The development of Philosophy proper is followed by lectures on Ethics and the Evidences of Revealed Religion, occurring five times each week, during the second term of the Senior year. The under-graduate instruction in these subjects closes the third term (Senior) with a course of twelve lectures on Natural Theology. This course of lectures is optional in all cases. The other subjects in this department are required in each of three courses in the College of Science, Literature and the Arts, and optional for the other Colleges.

XV. COMPARATIVE PHILOLOGY.

PROFESSOR CAMPBELL.

Properly speaking, the instruction in Comparative Philology is reserved for the post-graduate course. As introductory to such instruction, a course of twenty lectures on Philology (theoretical), commonly called the Science of Language, is given during the second term of the Junior year. These lectures cover the following general subjects: The Philosophy of Grammar;

Language as spoken and heard; Language as written and seen; the Laws of Inflection; the Roots; History of Philology; The Literature of Philology.

XVI. HISTORY.

PROFESSOR LAING.

Collegiate Department.

Applicants for admission to the Fourth Class are examined in the History of the United States. A thorough knowledge of so much of the subject as is embraced in the standard School Histories is required. Swinton's "Condensed History of the United States" is recommended for preparation.

The subjoined schedule will, for the present, be followed:

Fourth Class,—The Scientific and Modern Sections take the History of England the first term; the whole class take general History, the third term.

Third Class,—The Scientific and Modern Sections take Medieval History, the second term, and Modern History the third term.

First Class,—It is optional for the whole class the first term to take the Era of the Reformation.

College of Science, Literature and the Arts.

The Junior Class take Guizot's "History of Civilization" three times a week, the second term.

The Philosophy of History is combined with the regular work of the various classes, especially with Guizot.

Aside from the text-books, frequent lectures are given on such subjects as need further elucidation. These subjects are open as electives to corresponding classes in the Colleges of Agriculture and Mechanic Arts.

XVII. SOCIAL SCIENCE

MR. FOLWELL.

Political Economy is taught to the Seniors in the Third Term chiefly by conversational lectures. This subject is required of all students of the College of Science, Literature and the Arts, and is elective for those of other

Colleges. The library is well supplied with standard authors on Political and Social Science. The aim of the instructor is to present clearly and fairly the history of the science and to thoroughly inculcate established principles. On disputed topics the conflicting views are brought out with all possible impartiality.

To this department are attached International Law and Civil Government, including the State and National Constitutions—the former an option with the Senior Classes—twice per week for the Third Term; the latter, required in the Scientific and Modern Courses of the Senior Year, five times per week for the Second Term. These are in charge of the Professor of History.

XVIII. ELOCUTION. See "English Language," &c., *supra*.

XIX. PUBLIC HEALTH.

PROFESSOR HEWITT.

A course of lectures on Sanitary science is offered to the Seniors of all departments, the third term. The topics embraced are such as: Personal Hygiene as depending on soils, water, food, clothing, etc.; Public Hygiene including sewerage and drainage of towns, heating, lighting and ventilation of dwellings and public buildings; epidemic diseases, intemperance, &c.

The Physiology taught at present to the Fourth class of the Collegiate Department, is included in this department of instruction.

XX. MILITARY SCIENCE.

PROFESSOR ———

SEC. 26. ***And be it further enacted***, That for the purpose of promoting knowledge of military science among the young men of the United States, the President may, upon the application of an established College or University within the United States, with sufficient capacity to educate at one time not less than one hundred and fifty male students, detail an officer of the army to act as President, Superintendent, or Professor of such College or University; that the number of officers so detailed shall not exceed twenty at any time, and shall be apportioned through the United States, as nearly as practicable, according so population, and shall be governed by general rules, to be prescribed from time to time by the President.

In compliance with the foregoing section of an act of Congress approved July 28th, 1866, the President has detailed* an officer of the army as Professor of Military Science at this University. The government has also furnished 150 light breech-loading rifle muskets, with accoutrements complete, similar to those in use by cadets at the U. S. Military Academy, and a section of artillery, with equipments, for instruction in the school of the piece and battery. Instruction is given in the schools of the soldier, company, and battalion; drill, parade, review, and other ceremonies. By action of the Board of Regents, military exercises are required of all male students of the Collegiate Department, and are optional in the other classes. The course of Theoretical Instruction is optional.

XXI. CIVIL ENGINEERING, MECHANICAL ENGINEERING, ARCHITECTURE, INDUSTRIAL DRAWING, &c.

See College of Mechanic Arts.

XXII. THEORY AND PRACTICE OF AGRICULTURE, VETERINARY SCIENCE, &c.

See College of Agriculture.

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* At the date of issue no officer had been detailed to fill the vacancy occasioned by the recall of Professor Huggins to his command.

REQUIREMENTS FOR ADMISSION.

The University is open free of all charges for tuition, upon equal terms to all persons over fourteen years of age, whether residents of the State or not, who may pass the required scholastic tests and examinations.

The COLLEGIATE DEPARTMENT being the usual avenue to the advanced courses and Colleges, the requirements for admission thereto are more particularly stated below.

Applicants for advanced rank in this department must be examined in the subjects gone over by the class and section which they desire respectively to join. Real equivalents are accepted.

Applicants for admission to the advanced or UNIVERSITY COURSES proper, as candidates for degrees, are examined in all the studies of the appropriate courses in the Collegiate Department. The Faculties occasionally exercise the power of waiving the ordinary examinations in the cases of applicants of advanced age who desire instruction in special studies These applicants must, however, submit to such tests as may be necessary to enable the professors concerned to decide whether they are competent to receive the desired instruction.

I.

ALL applicants for admission to the COLLEGIATE DEPARTMENT are examined in the following elementary studies:

READING, WRITING, SPELLING;

ENGLISH GRAMMAR (including ANALYSIS);

ARITHMETIC AND ELEMENTARY ALGEBRA;

GEOGRAPHY AND UNITED STATES HISTORY;

Those intending to pursue the Latin language are also examined in the Latin Grammar, Reader and Composition, (Part I.)

Applicants who pass the above examinations satisfactorily are admitted to the Fourth Class.

I.

Applicants for admission to the THIRD CLASS of the Collegiate department will please refer to the tabulated course of study for the Fourth Class, and note the studies of the particular course to be chosen. Upon these they will be examined for admission to the Third Class.

II.

Although the same general principle applies, it is thought best to state in detail in this place the requirements for admission to

THE SECOND, OR FRESHMAN CLASS.

1. ALL APPLICANTS are examined in the elementary studies given above: Reading, Writing and Spelling, English Grammar including Analysis; Arithmetic and Elementary Algebra; Geography and United States History; also in English Composition and Rhetoric, (Hart's or equivalent); Algebra, complete to the General Theory of Equations; Outlines of General History, (Swinton's, or equivalent), Plane Geometry, Geometrical Drawing and Elements of Geology.

Those intending to pursue the Latin Language, are examined in the Latin Grammar and Reader, and in the First Part of Composition.

2. Examinations additional to the above are required according to the course of study which the applicants may respectively choose, as follows:

(1.) For the CLASSICAL Course, in

Cæsar's Commentaries (4 books), Cicero (5 orations,)
Virgil's Æneid (6 books);
Greek Grammar and Reader, Xenophon's Anabasis (3 books), Herodotus (30 chapters);
History, Geography, etc., of the authors named;
Also in Botany (Gray).

(2.) For the SCIENTIFIC Course, in

Physical Geography, Natural Philosophy, Physiology, Botany, Free-Hand Drawing, Elementary Astronomy (the last optional); also in History of England, Study of Words (Swinton's, or equivalent), Higher English Grammar (Fowler, or Latham), Modern History. In place of these studies in English, applicants may pass in the Latin or Greek required for the Classical Course. In place of the Higher English Grammar and Modern History, the German required for the Modern Course, as given below, may be offered.

(3.) For the MODERN Course, in

German Grammar and Reader, and Schiller's Wilhelm Tell (or equivalent), History of England, Physiology; also the same Latin or Greek required for the Classical Course; but applicants may in lieu thereof, offer the following Studies; Physical Geography, Natural Philosophy, Elementary Astronomy, Modern History.

ARRANGED ACCORDING TO SUBJECTS, the requirements for admission to the SECOND, or FRESHMAN CLASS, stand as follows:

1. MATHEMATICS:—Arithmetic complete; Algebra complete, except the General Theory of Equations, Plane Geometry [and Geometrical Drawing,] Required in all courses.

2. NATURAL AND PHYSICAL SCIENCES:—(1) Required in all courses—Geography, and Elements of Geology. (2) Required in addition:

   For the Scientific Course—Physical Geography, Natural Philosophy, Physiology, Botany, and Elementary Astronomy (the last optional);
   For the Classical Course—Botany;
   For the Modern Course—Physiology.

3. HISTORY:—(1) History of the United States, and Outlines of General History, for all courses. (2) Required in addition:—

   For the Scientific Course, (when no language other than English is taken)—History of England, Modern History;
   For the Modern Course—History of England; optional for same course with Latin or Greek, Modern History.

4. Languages.

(1.) *English.*—a. For all courses.—Reading, Writing, Spelling, English Grammar including Analysis, Composition and Rhetoric. Applicants will be required to write a short theme or narrative on a subject assigned at the time. b. Required in addition :

For the Modern Course—Higher English Grammar.

For the Scientific Course, (when no other language than English is taken)—Higher English Grammar.

(2.) *German.*—Grammar and Reader, Schiller's Wilhelm Tell (or equivalent). Required for Modern Course; optional for scientific.

(3.) *Latin.*—Grammar, Reader and Composition ; Cæsar's Commentaries, 4 books; Cicero, 5 orations; Virgil's Æneid, 6 books; with the History and Geography of the authors. Required for Classical Course only ; optional with the others.

(4.) *Greek.*—Grammar, Reader and Composition, Xenophon Anabasis, 3 books ; Herodotus, 30 chapters, with the History, Geography, etc., of the authors. Required for the Classical Course only ; optional for others.

Candidates may find it convenient to refer to the tabulated courses of study for the Third and Fourth Classes, as given hereafter.

Applicants for the First, or Sophomore Class, will be further examined in the studies of the chosen courses in the Second Class.

EQUIPMENT.

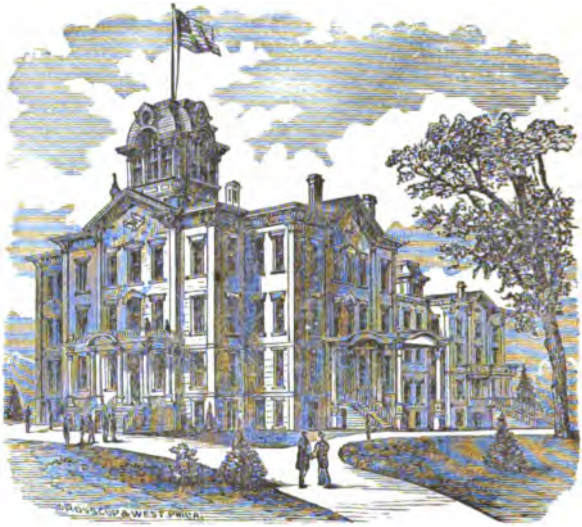
GROUNDS.

The University is situated in the East Division of the city of Minneapolis, about one mile below the Falls of St. Anthony, on an elevated bluff in full view of the same. The grounds are about twenty-five acres in extent, undulating in surface and well wooded with native trees. Plans for the embellishment of the grounds have been made by Messrs. Cleveland and French, of Chicago, "landscape architects," and will be carried out so fast as the means can be afforded. Meantime, such are the natural advantages of situation and contour, they are very attractive.

The Experimental Farm of the Agricultural College is situated a short distance below, near the east bank of the Mississippi. For description see "College of Agriculture."

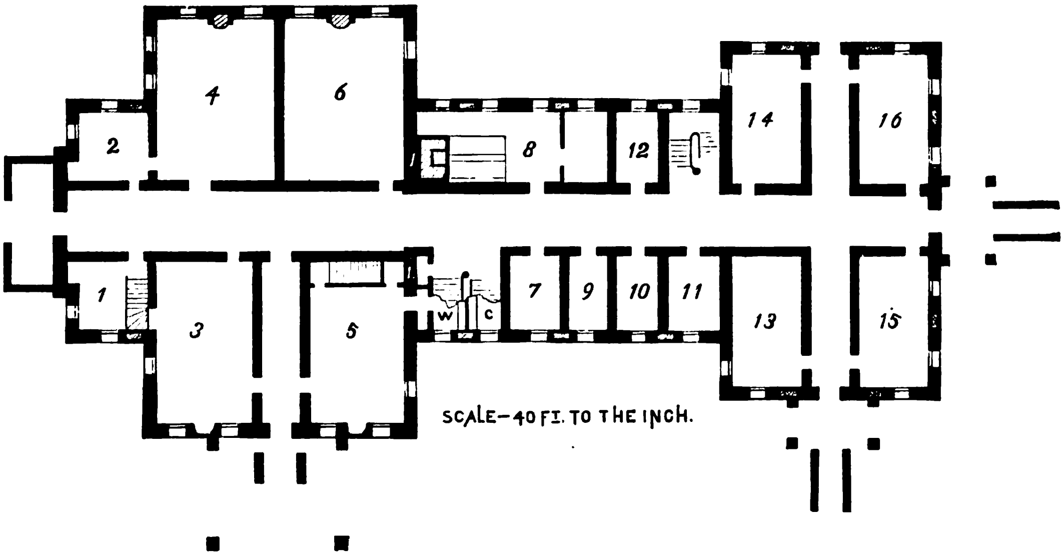
BUILDINGS.

The general plan of the buildings contemplates a central academic building, and, grouped around it, additional structures for the separate departments or colleges. Up to the present year the whole work of the institution had been carried on in the old building, erected many years ago as a portion (west wing) of a central building. During the past year a large addition has been completed and occupied. The old part has been repaired and renovated, to correspond, so far as possible with the new portion. These structures, old and new, constitute the

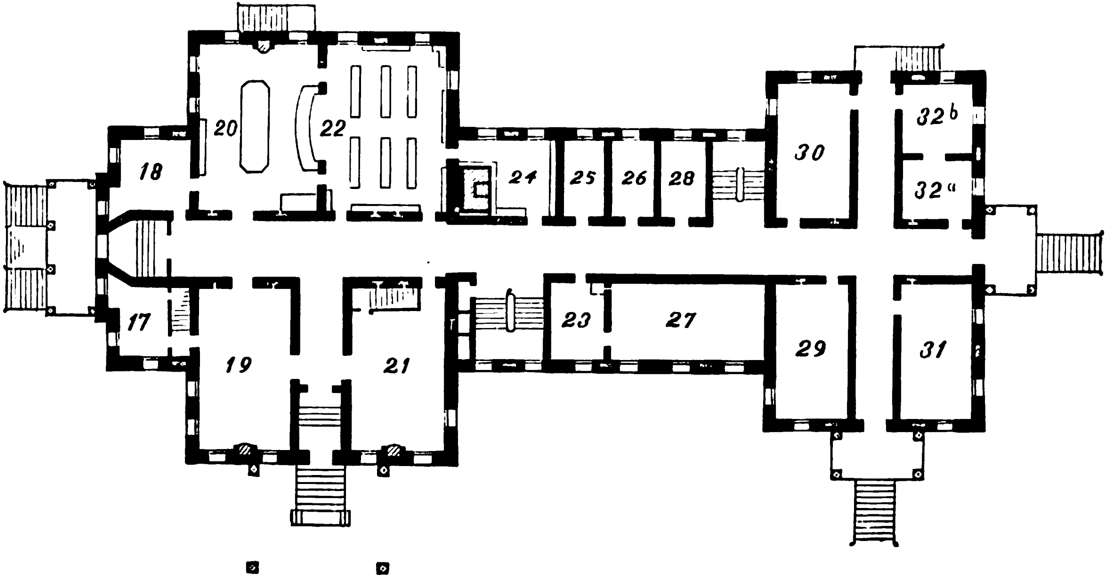

BROSSCUP & WEST PHILA.

MAIN OR ACADEMIC BUILDING.

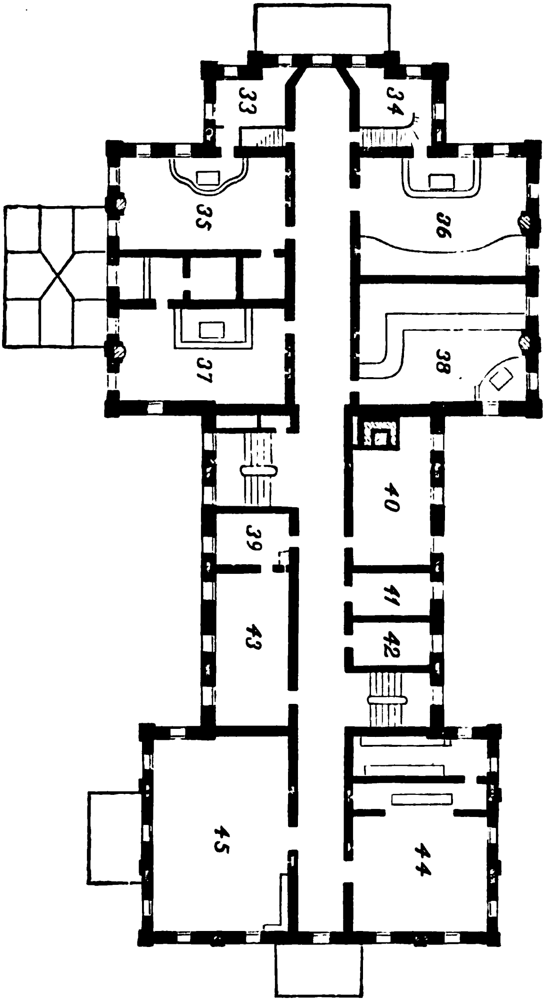
This building is 186 feet in length and 90 in breadth exclusive of porches, having three stories above the basement. The walls are of blue limestone and the roofs of tin and slate. The rooms, fifty-three in number, as well as all the corridors, are heated by an efficient steam apparatus, and THOROUGHLY VENTILATED. Water and gas are supplied wherever needed. The Assembly Hall, in the third story, 87x55 feet and 24 feet high, will seat with great comfort 700 people, and 1,000 can be accommodated. The following floor plans show the arrangement and present assignment of the various rooms and spaces:



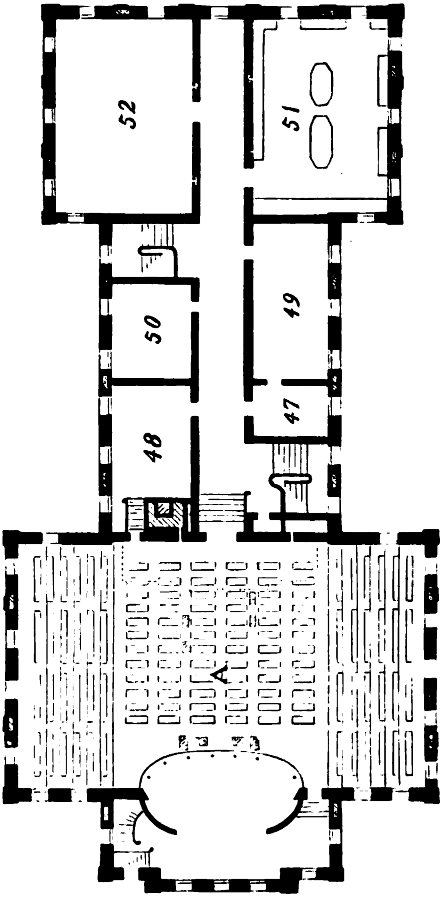
Basement Floor:—1, Carpenter; 2, Unassigned; 3, Class Room; 4 and 6, Literary Societies; 5, Ladies' Cloak Room; 7, 9 and 10, Storage; 8, Boiler Room; 11, Lathe Room; 12, Fireman's Room; 13, Janitor's Kitchen; 14, Storage [Ag. Dept.]; 15, Work Shop; 16, Storage, [Geol. Survey].



MAIN FLOOR:—17, Private Office; 18, 20, 22, 24 and 25, Library and Reading Rooms, 19, Regent's Parlor; 21, Ladies' Parlor; 23 and 27, Dept. of German; 26 and 28, Janitors; 29 and 32*b*, Dept. of Military Science; 30, Gentlemen's Cloak Room; 31, Dept. of Mathematics; 32*a*, Students' Christian Association.



SECOND FLOOR:—33 and 35, Dept. of Ment. and Mor. Philosophy; 34, 36 and 43, Dept of Latin; 37, Dept. of Greek; 38 and 42, Dept. of Mathematics; 39 and 45, Engineering Departments; 40 and 41, Dept. of English; 44, Dept. of Physics.



THIRD FLOOR:—A, Auditorium; 48 and 50, Dept. of History; 47 and 49, Depts. of Geology and Mineralogy; 51, General Museum; 52, Drawing. All these rooms are 16 feet high, except the Auditorium, which is 24 feet.

THE AGRICULTURAL COLLEGE.

This is the first of the special buildings for the separate Colleges. It is of brick on a basement of blue stone, 146x54 feet. The central portion is two stories in height. The south wing, 46x25 feet, is a plant house of double sash and glass. The north wing contains the Chemical Laboratory. There are class rooms for Chemistry and Agriculture, and private laboratories for the professors. The whole building will be heated by steam, except the plant house, by hot water. In the second story will be two large rooms, one for the Industrial Museum, the other for a Lecture Hall. For plans see College of Agriculture.

THE CHEMICAL LABORATORY.

This laboratory occupies five rooms in the north wing of the Agricultural College. (1) The main students' laboratory, 22x45 feet. It contains eight tables, accommodating sixty-four workers in two sections or reliefs. Each table has water, gas, sink, shelving for reagents, drawers and cupboards for apparatus, all of the most approved construction. Between the tables, in the outside walls, are ventilating hoods of an improved form, suggested by the Professor of Chemistry. (2) The recitation room adjoining, provided with lecture table and all appurtenances necessary for effective illustiation of lectures on Chemistry and Technology. (3) The Apparatus room, provided with cases for storing apparatus, and tables for the balances. (4) The Professor's private laboratory, a small room, but one well adapted to the purpose. (5) A room in the basement fitted up for assay and furnace work. All the rooms except the last are on one floor, are well lighted and ventilated, and communicate with each other in a convenient manner. The University is now able to offer ample facilities for successful study and instruction in both General and Analytical Chemistry, and in the allied branches of study. Persons desiring analyses made should address Prof. S. F. Peckham.

THE PHYSICAL LABORATORY.

In the main building, the rooms devoted to the Department of Physics are so arranged and furnished that students desiring to make a specialty of Physics, can have opportunity to use the apparatus, and perform their own experiments. In addition a small room has been set apart for a lathe and work bench. Students are permitted to construct models and apparatus. Excellent specimens have been already produced.

THE MINERALOGICAL LABORATORY.

Tables and apparatus sufficient for the use of twelve workers at a time, have been provided in room 49, main building. Additions will be made as required.

DRAWING ROOMS.

Room 52 in the main building, 47x30x16 feet, is furnished with stout wooden tables for the use of the classes in Geometrical and Free Hand Drawing. There are also cases and cabinets for holding drawers and drawing boards. A considerable collection of prints, drawings, and models for lessons and illustrations. has been made.

Room 45 is provided with the Worcester Adjustable Drawing Tables of wood and iron. for the use of the classes in Descriptive Geometry, Engineering and Architecture.

MUSEUMS.

The General Museum comprises the collections of the Geological and Natural History Survey of the State, augmented by purchases and donations. At present only the Zoological specimens belonging to the Museum are on exhibition. They comprise specimens of some of the larger mammals of the Northwest, a set of casts of fossils purchased of Prof. H. A. Ward, of

Rochester, N. Y., embracing representations of over 350 species and several hundred specimens of recent invertebrates. These are placed in suitable cases in room 51, which is opened daily for the use of students and visitors. It is expected that adequate provision will be made soon for the accommodation of the rest of the collections of the Museum. Contributions to the Museum should be sent to Prof. N. H. Winchell, Curator.

The INDUSTRIAL AND TECHNOLOGICAL MUSEUMS will be accommodated in the Agricultural College building. Contributions for the former may be addressed to Prof. Chas. Y. Lacy; for the latter, to Prof. S. F. Peckham.

The collections of Patent Office models, and the Schrœder Models for Descriptive Geometry, are already displayed in substantial cases in rooms 12 and 44, main building. The collection of seeds and grains is temporarily stored in room 12.

APPARATUS.

No attempt has been made at display, but great pains have been taken to procure for the various departments the essential instruments and materials for illustration. In addition to articles referred to in previous statements may be mentioned: a transit, Y level, compass, chains and tape measures, and a full set of fine drawing instruments for the Department of Civil Engineering; a variety of geographical maps, ancient and modern; globes, charts, geometrical models, etc.

THE LIBRARY.

The number of bound volumes has reached nearly 10,000. and additions are constantly being made. Besides the books purchased of booksellers, the following collections have been acquired:

(1) The Robertson Collection of 1,200 volumes, purchased from Col. D. A. Robertson, of St. Paul, formerly a professor in

the University. This collection is rich in works on American History, Arctic Travel and Discovery, Ethnography and Political Economy.

(2) The Campbell Collection of 2,800 volumes, selected by Prof. Campbell in London, Berlin, Florence, and other cities of Europe. This embraces many French, German, and Italian works. The subjects most numerously represented are Philology, Philosophy and Social Science, General Literature, History and Biography.

(3) The Tappan Collection, comprising 2,500 volumes from the private library of the Rev. H. P. Tappan, D. D., LL. D., ex-President of the University of Michigan. This collection contains choice and valuable editions of standard English authors. numerous works on philosophical subjects, and many reviews and works of reference.

The miscellaneous purchases have been confined to Encyclopœdias, Dictionaries, Bibliographical material, and works of first necessity for the various departments of instruction. Among the public documents are to be found sets complete, or nearly so, of the Smithsonian publications, the Coast Survey Reports, the Survey of the Pacific Railroad, and Schoolcraft's Indian Tribes, &c.

The printed alphabetical catalogue of authors contains the titles of all the bound volumes, except public documents. The alphabetical catalogue of subjects of all the books (except public documents) are on slips nearly ready for printing.

The Library and Reading Room occupy rooms 18, 20, 22 and 24 in the first story of the main building. The books are shelved according to a simple classification, upon the so-called "elastic system," which allows additions indefinitely, without disturbing the existing arrangement and numbering.

The Library is open to everybody every day of the University year, except Sundays and holidays, from 7:30 a. m. to 5:30 p. m. Students are allowed to borrow books for home reading, to be kept seventeen days; but works marked in the catalogue with a *, comprising books of reference, illustrated works, and rare and costly books, can not be removed. These works, as well as all others, may be read and consulted during the same hours in the

READING ROOM.

A number of periodicals are also to be found here; among them are the following:

QUARTERLY.

The Journal of Speculative Philosophy, The New Englander, The North American Review, The Edinburgh Review, The North British Review, The Westminster Review, The London Review. The International Review. (Six times a year.)

MONTHLY.

The American Journal of Science and Arts, The Agriculturist, Appleton's Popular Science Monthly, Blackwood's Magazine, The Eclectic Magazine, Van Nostrand's Engineering Magazine, The Contemporary Review.

WEEKLY.

Littell's Living age, The Nation, The New York Tribune, The Nordisk Folkeblad. The Farmers' Union The Prairie Farmer, Ueber Land und Meer, Harper's Weekly, Official Gazette, U. S. Patent Office.

SEMI-WEEKLY.

New York Evening Post.

DAILY.

Minneapolis Evening Tribune, St Paul and Minneapolis Pioneer-Press and Tribune, War Department Weather Map, &c.

The Board of Regents have enacted the following code of

LIBRARY RULES AND REGULATIONS:

When open.

SECTION 1. The Library shall be open throughout the university year at least nine hours in each day, except Sundays and legal holidays, from April to September, inclusive, and at least seven hours with like exceptions during the remainder of the year. The executive committee shall make special arrangements for opening the Library during the vacation in summer.

Consultation.

SEC. 2. Any person shall have the privilege of reading and consulting books during the regular hours upon filling up and signing a Reading Room ticket The books thus obtained must be delivered to the Librarian before leaving the Library.

Borrowing.

SEC. 3. Any member of the University may borrow books for home reading, subject to the restrictions hereinafter contained.

Deposit.

SEC. 4 Any citizen of the state may borrow a book for fourteen days, by depositing with the Librarian the value of the book, or set, if one of a set.

Guaranty.

SEC. 5. Any person presenting to the librarian a written guaranty of any regent or professor of the University for the safe return of books, may borrow two volumes for fourteen days.

Issue and Return.

SEC. 6. No person shall remove any book from the Library under any pretense until it shall have been duly issued by the librarian or an authorized assistant; and no book shall be considered as returned unless delivered to the librarian or an authorized assistant.

Annual Inspection.

SEC. 7. All books loaned shall be returned for the annual inspection and inventory, on or before the second Wednesday preceding the close of the university year; and no person except professors of the University shall have the right to borrow books for home reading, during the twenty days next ensuing.

Reloaning

SEC. 8. No person having the right to borrow books shall lend them to be taken from his house for use.

To whom and for how long books may be loaned.

SEC. 9. Regents may borrow five volumes at a time, to be returned at farthest upon the day named in section 7. Professors and other officers of instruction may have any desired number of works pertaining exclusively to their departments of instruction. They may withdraw at the same time any five other works; and all works of whatever character so withdrawn, if called for by another officer, shall, upon notification through the librarian, be returned after four weeks from the time of withdrawal. Students of the upper or university classes may borrow three volumes at a time, and students of the Collegiate Department, two, to be returned within seventeen days. In no case can a book be reissued if called for by another member of the University. The librarian shall conform to any regulations relating to the kinds of books to be loaned to students which the General Faculty may establish.

Works not loaned.

SEC. 10. The following works cannot be loaned: works of reference, such as almanacs, annuals, atlases, dictionaries, encyclopædias, catalogues, gazetteers, indexes, lexicons, registers; costly illustrated works, books starred in the catalogue, books needing to be rebound, and last numbers of periodicals. Periodicals can only be borrowed by professors and instructors.

All books to belong to Library.

SEC. 11. All technical books, maps, charts and diagrams, purchased for and specially adapted to the exclusive use of any department of instruction, shall be regarded as the property of the Library, and the professor in charge shall give his receipt to the librarian for the same, and shall at the close of each year account to the librarian for the same.

Penalties for losses, neglect to return, &c.

SEC. 12. If, on reasonable notice from the librarian that the time for which any book or books taken or detained has expired, any person shall omit to return to the Library any such book or books for more than three days after such notice shall have been given; or if any book or other article belonging to the Library be lost or destroyed, or so far injured as to be equivalent in the judgment of the librarian to a total loss for the purposes of the Library, the person by whom such loss, destruction or injury has been occasioned, or who shall fail to make such return, shall be charged the full value of the book or article so lost, destroyed, injured or not returned; and in case of the loss of a book, or its not being returned, if it belong to a set of two or more volumes, he shall be charged the value of the whole set, or as much as it may cost to perfect it, at the election of the Librarian. For any injury not amounting to destruction to any book or other article as aforesaid, the person causing the same shall pay a sum sufficient in the judgment of the librarian to compensate for such injury. Any person failing to pay the librarian any such assessment for loss, injury, or failure to return, shall be debarred the use of the Library, and any student so delinquent shall not receive a degree or an honorable dismissal until he shall have paid the full amount.

Penalty for wilful injuries.

SEC. 13. Any person who shall wilfully injure or destroy any book, map or other article belonging to the Library, shall be dealt with according to the law of the State* in such case made and provided,

Decorum.

SEC. 14. All persons while in the Library are to refrain from all noise and conduct inappropriate to the quietness of a place of study.

Admittance to Shelves.

SEC. 15. No persons shall be admitted behind the counter except regents, professors and instructors, and such as they shall introduce, or as may be invited by the librarian, and persons thus admitted shall not remove books from the shelves without permission.

Order.

SEC. 16. The librarian shall have authority to enforce order in and about the Library, and may exclude students or visitors infringing the rules. Students guilty of misconduct shall, upon the report of the librarian, be dealt with by the Faculties to which they are severally amenable, according to the nature of the offenses.

Duty of Librarian.

SEC. 17. It shall be the duty of the librarian to enforce the foregoing rules. He shall make a careful inspection and inventory of the Library within twenty days after the date fixed in section 7, and he shall make on or before the first day of November in each year, a report to the president of the University showing the condition of the Library during the previous university year; the results of the annual inventory and inspection, the titles of all books and other articles added to the Library, together with such statistics and suggestions as he may deem useful.

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*CHAPTER LXXXIX. LAWS OF MINNESOTA, 1875:

Be it enacted, &c.

SECTION 1. Any person who shall wilfully cut, mutilate, mark, tear, deface, or otherwise injure or destroy, in whole or in part, any book, map, document, picture, or written or engraved or printed paper belonging to any public library or reading room in this State, shall, upon conviction thereof before any city justice or justice of the peace having jurisdiction in criminal offenses, be fined for each and every offense, a sum not less than ten nor more than one hundred dollars, and, in default of the payment of such fine, be committed to the county jail of the county in which said offense was committed, not less than thirty nor more than ninety days; and such conviction shall not act as a bar to a civil suit against the party committing the injury or damage to recover the value of the property so injured or destroyed, which suit may be brought by any competent officer of the library owning said property.

SECTION 2. A "public library" shall, for the purposes of this act, be construed to mean any collection of books, documents or papers belonging to the State or to any of its institutions, or to any incorporated society, association, or literary institution, for the use of the public or of the members of said society or institution

SECTION 3. This act shall take effect from and after its passage.

Approved, February 19th, 1875.

GENERAL INFORMATION.

ACCESS.

The University of Minnesota is accessible by means of all conveyances centering in the cities of St. Paul and Minneapolis.

HOW TO ENTER THE UNIVERSITY.

1. Appy personally or by mail to the president for a blank "application," and have it properly filled up. dated and signed.

2. Previous to the hour appointed for the examinations, present your application at the president's office, and receive a numbered examination ticket. By this number alone will you be known to the examining professors.

3. Report promptly for examinations at the time and place announced, and attend the sessions punctually, observing such directions as may be given.

4. At an appointed hour after the close of the examinations, the successful numbers will be announced.

5. The successful applicants will, upon payment of the annual fee of five dollars for incidental expenses, receive a registration card, which will admit them to the classes.

Applicants who do not present themselves at the proper time can only be examined by permission of the Faculties, to whom application in writing must be made, stating the reasons for absence.

BOARDING.

THE UNIVERSITY HAS NO DORMITORIES, except for a few employes. This is a matter both of necessity and of policy; of necessity, because the State has not been able to furnish money to build dormitories; of policy, because it is thought better for the students to be distributed among the people of the University city, amenable to the common laws and sentiments of society. The public bounty stops at furnishing free instruction, leaving to private hands the providing of maintenance.

Three methods of boarding are practiced. (1) Self boarding, by individuals, or, more commonly, by small groups or colonies composed of members of the same family, or of neighboring families. Rooms are hired, and furniture, provisions and fuel brought from home. When well managed this is an excellent and very economical mode of living. Two dollars a week per pupil may be set down as the cost. (2) Club boarding. This has been practiced for several years, and is well organized. The Pillsbury Club occupy the two buildings erected by Regent Pillsbury, on Fourth street between 13th and 14th avenues. The rooms, 16 in number, large and well lighted, are rented for a sum sufficient to pay repairs and taxes. The occupants organize and operate the boarding club. The price of board has never exceeded $2.50 per week. A respectable family reside in one of the buildings, and the proprieties of civilized life are therefore observed. Applications to join the club should be made promptly to Mr. H. Jay Smith. (3) Boarding in families The difficulties formerly encountered in procuring suitable places for students desiring to board in families have disappeared. Good board can be found at reasonable prices, ranging from $3.50 upwards. A list of families willing to receive student boarders, is posted on the bulletin board at the beginning of the year; also one of "rooms to let."

EMPLOYMENT.

The UNIVERSITY CANNOT PROMISE EMPLOYMENT to all who desire to earn their living. The few places it can offer are always in the hands of old students. New comers cannot expect to get them. The following advice, deduced from the observations of several years, is offered to young persons of limited means who want an "education:"

(1.) If possible, learn a good trade or art before coming to the University. Your chances for work will be greatly increased, and you can get better wages. (2.) Bring some money,—fifty dollars at least,—on which to live until you find work. (3.) If you want work you must look for it. It will not come to you at first. Be active, resolute and enterprising. (4.) If you have "to pay your way" through college, resolve to take time enough to do it well without ruining your health.

The following are some of the employments or capacities in which students have been engaged:

(1) Teaching in city and country schools, and in Teachers' Institutes.
(2) Teaching private pupils and classes in general studies.
(3) Teaching specialties, such as Music, French, Drawing, &c.
(4) Land Surveying, Government Surveying, Railroad Surveying.
(5) Map Drawing and Copying.
(6) Care of Churches and Public School buildings.
(7) Market Gardening and Dairying.
(8) General "chores" at private houses.
(9) Work on the Experimental Farm.
(10) House Painting, Wood Turning, Paper Hanging, Carpentry, Typesetting, Taxidermy, Tuning Pianos.
(11) Salesmen, Book Agents, Choristers, Sunday School Superintendents, Newspaper Carriers.
(12) Janitors, Librarians, Clerks, Bell Ringers, Firemen, Sweepers, Teamsters, &c.

EXPENSES.

These depend so much upon the tastes and habits of individuals that no general statement can safely be made. In some cases young men have lived comfortably on $160 for the university year.

TUITION IS FREE IN ALL DEPARTMENTS. The only university charge is the annual fee of $5.00 for incidental expenses. This fee must be paid before the student can join his classes, and no deductions are made for absence or late entrance.

Students provide their own books and stationery. The society expenses are small.

DAILY ROUTINE.

The forenoon of each week day except Monday is occupied with recitations and lectures. In the afternoon take place the military exercises, work in the laboratories, on the farm and in the plant house, field work in surveying and engineering. and so much of the drawing as cannot be done in the forenoon.

The morning session opens with the assembly, not earlier than 8 o'clock, and closes not later than 1 p. m. Brief and simple devotional exercises are held at the assembly, and one or more rhetorical exercises are performed by members of the upper classes.

DISCIPLINE.

Students of the various Departments or Colleges are amenable to their respective Faculties.

The University presumes that every member intends to do his duty and to behave himself decently. Good order, courtesy, punctuality, and attentiveness, are established customs of the University. which the student body takes pride in maintaining. The few cases of misdemeanor which occur are dealt with individually by the Faculties.

STUDENT SOCIETIES.

The following Literary Societies have been recognized by the General Faculty:

The STUDENTS' CHRISTIAN ASSOCIATION;
The DELTA SIGMA SOCIETY;
The HERMÆAN SOCIETY;
The PHILOLOGIAN SOCIETY.

The orator of the united literary societies for the year 1875–6 is Hon. A. H. Young, Minneapolis.

THE GEOLOGICAL AND NATURAL HISTORY SURVEY.

The University is charged by law with the work of the Geological and Natural History Survey of the State, under the direction of the Board of Regents. This survey has now been in progress four years, but has been confined principally to the geological portion of the work. The professors of the University are selected by the regents for carrying on the various branches of the survey, and the General Museum is the repository and place of exhibition of the collections made during its progress.

The law creating this survey is comprehensive. It embraces not only a strictly geological survey, including a complete account of the rocks and minerals of the State, and their chemical analysis, but also a natural history survey, comprising an examination of all species of trees, shrubs, herbs and grasses, native or naturalized, and a complete account of the animal kingdom, as represented in the State, including all mammalia, fishes, reptiles, birds and insects. It also orders the tabulation of meteorological statistics, and an investigation of the climatic peculiarities of Minnesota. It orders the collection of topographical and hypsometrical data, and the compilation of an accurate map, which, on the approval of the Governor, is to be the official map of the

State. The law also requires an exhibition of all collections made during the progress of the survey, in the buildings of the University, for public inspection, free of cost, in well-warmed and furnished rooms. The regents make annual reports of progress, and, on the completion of any portion of the work, a final report thereof is to be made to the Governor.

The Legislature has made an annual appropriation of two thousand dollars, and has set aside the remainder of the State salt spring lands for the prosecution of this work.

SOCIETY OF ALUMNI.

ARTICLES OF ASSOCIATION.

I. The Alumni of the University of Minnesota, in order to perpetuate fellowship among themselves and loyalty to their Alma Mater, and to promote in every proper way the prosperity of the University, hereby constitute themselves an association, to be known and styled the "SOCIETY OF ALUMNI OF THE UNIVERSITY OF MINNESOTA."

II. All graduates of the University of Minnesota are entitled to membership in this society; all members of the General Faculty are honorary members.

III. This society shall meet annually, on the day before Commencement, at 10 o'clock in the forenoon.

IV. There shall be elected at each regular meeting the following officers for the ensuing year, to wit.: a President, a Vice President, and a Secretary and Treasurer.

V. This society has power to enact such by-laws as may be necessary to give these articles effect.

VI. These articles may be changed or enlarged at any regular meeting, by a majority vote of the members present.

OFFICERS FOR 1876–7:

JOHN C. HUTCHINSON, B. A., Minneapolis, President;
EUGENE A. HENDRICKSON, B. S., St Paul, Vice President;
MARTHA A. BUTLER, B. S., Minneapolis, Sec'y and Treas.

THE COLLEGIATE DEPARTMENT.

THE COLLEGIATE DEPARTMENT.

THE FACULTY.

This Department is under the immediate control of the General Faculty of the University.

STUDENTS, 1875-6.

FIRST CLASS.

CLASSICAL COURSE.

Messrs.
Bryant, J. C.,
Eustis, J. B.,
Foster, F. H.
Lewis,
Newton,
Willes,
Williams, D.
Rickert,
Ward,
Pritchard, E. R.

SCIENTIFIC COURSE.

Messrs.
Alexander,
Bushnell,
Butts,
Couillard, C. A.,
Couillard, F. L.,
Howe,
Howell,
McMullen,
Young, H. W.,
Rose,
Taylor,
Warren,
Wedge,

Misses
Getchell,
Rich,
Robinson.

MODERN COURSE.

Mr. Wood,
Misses Wilcox, H. J.
Miss Secombe,
Wilcox, M. E.

SECOND CLASS.

CLASSICAL COURSE.

Messrs.

Collom,
Columbia,
Colwell,
Goodnow,
Hudgins,
McKean,
Rhames,
Rockwood,
Miss Elliot.
Thayer, H. W.,
Thompson, G B.,
Vanderburgh,
West,

SCIENTIFIC COURSE.

Messrs.

Barrett,
Buswell,
Clark, F. H.,
Gage,
Goodrich, C. G.,
Greer, A. J.,
Greer, C.,
McComb,
McMurphy,
Partridge,
Thompson, E. R.
Preston,
Putnam,
Rand,
Roe,
Scott, F. J.,

Misses

Burnes, C. A.,
Burnes, D.,
Champlin,
Hayes, C. A.,
Hayes, H. E.,
Linton,
Roe,
Shoppe,
Thompson, E.,
Town,
West.

MODERN COURSE.

Messrs.

Chamberlain, F. A.,
Hildreth,
Keysor.
Hurlbut,

Misses

Cowell,
Kirkwood, E. A.,
Rollit, Caro.
Pierson,

THIRD CLASS.

CLASSICAL COURSE.

Messrs.

Brooks, A. P.,
Bryant, J. F.,
McCord,
McNulty,
Pemberton, Jno.,
Salls,
Wilcox, H. M.,
Williams, W. W,
Miss Knox.

SCIENTIFIC COURSE.

Messrs.

Berry, F. C.,
Berry, F. G.,
Boylston,
Byrnes,
Carville,
Currie, W. A.,
Dawley,
Foster, H. W.,
Foster. O.,
Greeley,
Hern,
Holt,
Hubbard,
Johnson, E. C.,
Loring,
Piper,
Sterling,
Rankin,
Tomlinson,
Upton,

Misses

Hyde,
Knaak, I.,
Knaak, M.
Newton,
Thompson, E. R.
Todd.

MODERN COURSE.

Messrs.

Colburn,
Horton,
Walker.

Misses

Coolbaugh.
Cooney,
Perley.
Lawrence,

FOURTH CLASS.

CLASSICAL COURSE.

Messrs.

Anderson, S. G.,
Baldwin,
Brooks, D. D.,
Cochrane,
Glenn,
Gould,
Hall, A. H.,
Harriman,
Hauser,
Huy,
Keating,
Lilly,
Rowley,
Russell, J. M.,
Snyder, F. B.

SCIENTIFIC COURSE.

Messrs.

Barnard,
Brown, W. A.,
Broughton,
Coe,
Cooney,
Dexter,
Fischer,
Gibson,
Grimes, G. S.,
Hall, P. M.,
Herrick,
Hinds,
Johnson, A.,
Judd,
Locke, D. A.,
Locke, S. A.,
Olson,
Parker,
Pemberton, Jos.
Peterson,
Pettijohn,
Quackenbush,
Russell, M. M.
Shillock,
Snyder, F. C.
Stanton,
Staples,
Thompson, A. D.
Young, H. E.

Misses

Brooks,
Cahill.
Cloud,
Hall,
Hanscome,
Leonard,
Reynolds,
Valentine.

MODERN COURSE.

Messrs.

Anson,
Farmer,
Wilcox, A. S.
Lind,

Misses

Campbell, M. A.
Crafts,
Dearborn,
Grimes,
Kirkwood, L. A.
Kreis,
Lewis,
Maes, A.
Parke,
Rand,
Russell, C.
Sweat.

SPECIAL STUDENTS.

Messrs.

Bowman,
Chamberlain, W. E.
Douglass,
Coy,
Eastman,
Eddy,
Fitzpatrick,
Gunderson,
Hale,
Hall, J. B.
Heywood,
Hinton,
McCarthy,
Naeseth,
Oakey,
Pettis,
Pritchard, D.
Savidge, W. H.
Thayer, B.
Thompson, C. A.
Valentine,
Van Cleve,
Witschi.

Misses

Bayliss,
Brown, C. J.
Brown, J.
Chamberlain,
Childs,
Kerr,
Maes, M. A.
Neher,
Russell, M.
Wheeler,
White,
Whitney,
Williams,
Wilson.

ADMISSION.

The requirements for admission have been fully stated on pages 52, &c. See also page 69, "How to enter the University."

Candidates are requested to send their applications to the President as early as September 1st.

The REGULAR ENTRANCE EXAMINATIONS begin on the second day of each University year. Candidates not presenting themselves at this time, apply in writing to the General Faculty for permission to be privately examined, stating satisfactory reasons for not attending at the proper time. For dates, see calendar, page 5. Examinations for entrance are commonly held at the beginning of the second and third terms, and in commencement week. Applicants for special studies in this department are examined in the elementary branches named on page 51.

OBJECT.

The object of this Department is to furnish such discipline and information as will fit the student to pursue the higher academical studies of the COLLEGE OF SCIENCE, LITERATURE AND THE ARTS, or to enter upon the professional courses now offered in the COLLEGES OF AGRICULTURE and MECHANIC ARTS, and hereafter to be offered in Colleges not yet opened.

COURSES OF STUDY.

There are three courses of study: the Classical, the Scientific, and the Modern. Each student completing a course receives a Final Certificate, which admits him to any appropriate College of the University, at the beginning of the Junior Year.

The following schedules do not include rhetorical, military, and other exercises, which are held according to appointments from time to time.

FOURTH CLASS.

TERM.	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST.	1. Greek Grammar (*begun*)	1. Physical Geography.	1. History of England.
	2. English Composition.	2. English Composition.	2. English Composition.
	3. Cæsar,—*Gallic War.*	3. History of England. Cæsar, *Gallic War.* Greek Grammar.	3. PhysicalGeography,or Cæsar (*Gallic War*) or Greek Grammar.
SECOND.	1. Greek Grammar, (*continued*).	1. Natural Philosophy.	1. Study of Words,
	2. Algebra.	2. Algebra.	2. Algebra.
	3. Cæsar, (*continued.*)	3. Study of Words, or Cæsar (*continued*) or Greek Grammar.	3. Natural Philosophy, or Cæsar (*continued*) or Greek Grammar.
THIRD.	1. Xenophon,—*Anabasis.*	1. Physiology.	1. Physiology.
	2. General History.	2. General History.	2. General History.
	3. Cicero,—*Orations.*	3 Elementary Astronomy Cicero,—*Orations*, or Xenophon,—*Anabasis.*	3. Elementary Astron'y, or Cicero,—*Orations*, or Xenophon,—*Anab.*
		Free-Hand Drawing.*	

*Optional in other courses.

THIRD CLASS.

TERM.	CLASSICAL COURSE	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST.	1. Xenophon,—*Anabasis*.	1. Natural Philosophy.	1. German, (*begun*).
	2. Plane Geometry.	2. Plane Geometry.	2. Plane Geometry.
	3. Cicero,—*Orations*.	3. English,—*Higher Grammar*. German,—(*begun*), or Cicero,—*Orations*, or Xenophon,—*Anabasis*.	4. Natural Philosophy, or Cicero,—*Orations*, or Xenophon,—*Anabasis*.
SECOND.	1. Herodotus,—*History*.	1. Drawing, (two hours.)* (Geometrical.)	1. German,—*Grammar*.
	2. Geology,—*Elements*.	2. Geology,—*Elements*.	2. Geology,—*Elements*.
	3. Virgil,—*Æneid*.	3. Modern History, or German, *Grammar*, or Virgil,—*Æneid*, or Herodotus,—*History*.	3 Modern History, or Virgil,—*Æneid*, *or* Herodotus,—*History*
THIRD.	1. Botany,—*Elements*.	1. Botany,—*Elements*.	1. German,—*Selections*.
	2. Higher Algebra.	2. Higher Algebra.	2. Higher Algebra.
	3. Virgil,—*Æneid*.	3. Modern History, or Virgil,—*Æneid*, or German,—*Selections*.	3 Modern History, or Virgil,—*Æneid*, or Botany,—*Elements*.

*Required of whole class one hour as an exercise.

SECOND CLASS.

TERM.	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST.	1. Homer,—*Iliad.*	1. Molecular Physics.	1. German,—*Schiller.*
	2. Solid Geometry, and Plane and Spherical Trigonometry.	2 Solid Geometry, and Plane and Spherical Trigonometry	3 Solid Geometry, and Plane and Spherical Trigonometry.
	3. Molecular Physics.	3 English,—*Anglo Saxon,* or German,—*Schiller,* or Homer,—*Iliad.*	3 Molecular Physics. or Homer,—*Iliad.*
SECOND.	1. Homer,—*Iliad.*	1. Draughting (2 hours).	1. German,—*Goethe.*
	2. General Chemistry.	2. General Chemistry.	2. General Chemistry.
	3. Livy.—*History.*	5. Zoology,—*Elements,* or German,—*Goethe,* or Livy.—*History,* or Homer,—*Iliad.*	3 Zoology,—*Elements,* or Livy,—*History,* or Homer,—*Iliad.*
THIRD.	1. Grecian Antiquities.	2. Applied Chemistry.	1. German —*Prose Selections.*
	2. Conic Sections and Surveying.	2. Conic Sections and Surveying.	2. Conic Sections and Surveying.
	5. Livy,—*History.*	3 English,—*Early English,* or German,—*Selections,* or Livy.—*History,* or Grecian Antiquities.	3 Applied Chemistry, or Livy,—*History,* or Grecian Antiquities.

FIRST CLASS.

TERM.	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST.	1. Horace, *Odes* and *Satires*. 2. Logic 3. French (*begun*) or Analytical Chemistry, or History.	1. Mechanical Physics. 2. Logic. 3 French (*begun*) or Horace,-*Odes, &c.*, or History. 4. Analytical Chemistry.(3)	1. French (*begun*). 2. Logic. 3 Analytical Chemistry, or Horace, *Odes, &c.*, or History.
SECOND.	1. Demhenes,--*Philipics*. 2. Descriptive Astronomy. 3. Horace,—*Satires* and *Epistles*.	1. Descriptive Geometry. 2. Descriptive Astronomy. 3 French (*continued*) or Horace,- *Epistles. or* Demosthenes, or English,—*Readings*.	1. French (*continued*). 2. Descriptive Astronomy. 3 Horace,—*Epistles*, or Demosthenes, or English,—*Readings*.
THIRD.	1. Greek,—*One Tragedy*. 2. Rhetoric. 3. Zoology, or French,—*Selectious*.	1. Descriptive Geometry and Perspective. 2. Rhetoric. 3 Zoology, or French,-*Selections*, or Greek,-*a Tragedy*. 4. AnalyticalChemistry.(2)	1. French,—*Selections*. 2. Rhetoric. 3. Zoology, or Greek,—*a Tragedy*.

EXAMINATIONS.

In each term there are, in the Collegiate Department,* two special examinations held at intervals of about four weeks, and one general examination, occurring at the end of the term. The scholastic standing of the students depends on their success in these examinations, the marks for which are so combined that the general examination has one-half the weight of the aggregate of the special examinations. The results are reduced to percentages, and an average term standing is deduced by dividing a student's total of per cents. by the whole number of his studies and exercises. Any student failing to attain an average of sixty per cent. is dropped from the roll of his class and must enter the class below. Absentees from examinations apply in writing to the General Faculty for excuse: if excuse is granted, they are entitled to individual examinations equivalent to those undergone by their classes.

Students failing to pass in any study at the close of a term, are liable to be cited for re-examination at any time thereafter, either by the professor or by the faculty. And students so "conditioned" at the end of a year, are examined at the beginning of the next university year, at such times and places as may be announced on the morning of the second day. Conditioned students failing to attend such examinations must render satisfactory reasons in writing to the General Faculty, before joining their classes.

Students desiring to be examined in studies of classes above them. apply in writing to the General Faculty. Leave being granted, they attend, if practicable, the examinations of the advanced class; or if not, undergo examinations equivalent thereto.

Students who may have been absent from recitations for sufficient reasons, are passed upon individual examinations, equivalent to those undergone by their classes.

These rules apply to special as well as to regular students.

All examinations are conducted in writing, but any professor or instructor may add such oral questions as he may deem proper.

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*These rules will be changed at the beginning of the year 1876-7.

REGULATIONS.

The following regulations of the General Faculty are observed by the students of the Collegiate Department:

Students pledge themselves in their applications to be regular and punctual in attendance upon all proper duties and exercises.

All students of this department are required to attend the morning assembly. Absentees file their excuses, stating reasons, with the president.

Absentees from recitations or exercises, present their excuses in writing to the professor in charge, and file the same, with the professor's endorsement, in the president's office.

Students who have been unable to prepare for a recitation or exercise, present excuses in writing to the professor in charge, on entering the room.

Each student, whether regular or special, has three recitations a day (15 per week), besides rhetorical, military, and other exercises. The Faculty, upon application in writing, may, in their discretion, excuse a student from one or two studies, or may allow a fourth study.

A student conditioned in a study may take it as an extra, if the programme permit, and the president approve.

No change of course of study is allowed, except by vote of the General Faculty, to whom application must be made in writing.

Applications for changing a course, to drop a study, to take an extra study, and the like, are not entertained after the close of the second week of any term.

Unexcused absences, unexcused failures to prepare lessons, and misdemeanors, are recorded, and demerit marks are charged. When a student has accumulated 25 such marks, he receives a warning in private; when 50, notice is sent to his parent or guardian; at 75, a public warning is given; at 100, the student stands suspended.

N. B.—Applications to the Faculties should be written in ink, on LETTER PAPER and folded 3¼ inches wide.

THE COLLEGE OF

Science, Literature and the Arts.

THE COLLEGE OF SCIENCE, LITERATURE AND THE ARTS.

THE FACULTY.

The President:

Professors CAMPBELL,	WINCHELL,
WALKER,	PECKHAM,
BROOKS,	MOORE,
THOMPSON,	MARSTON,

Assistant Professor LAING.

STUDENTS, 1875-6.

POST GRADUATES.

Messrs. LEONARD, H. C., RANK, RICKER, STARRITT, STEWART.

SENIOR YEAR.

CLASSICAL COURSE.—Messrs CLARKE, J. S.. HUTCHINSON, LEONARD, W. E., SWEAT.

SCIENTIFIC COURSE.—Messrs. CRAFTS, LOCKE, W. H., PRIBBLE, Miss BUTLER.

MODERN COURSE.—Mr BASSETT.

JUNIOR YEAR.

CLASSICAL COURSE.--Messrs CAMPBELL, CHILDS, CURRIE, E. A.. EUSTIS FRANK, EUSTIS FRED., MAHONEY, PERKINS, SAVIDGE, C. W., THAYER, M. D., WELLES.

SCIENTIFIC COURSE. —Messrs. BROWN, HYDE, KASSUBE, NIX, HENDRICKSON, A. P., SMITH, H. J.

MODERN COURSE.—Misses CAMPBELL, M. J., FULLER, HINCKLEY, ROLLIT, C. A.

ADMISSION.

Applicants who have completed courses of study in the Collegiate Department, are entitled to admission to the corresponding courses of this College. Other applicants, if candidates for graduation, must pass equivalent examinations. Persons desiring to pursue special studies in this College, apply in writing to the Faculty, and submit to such tests as the professors concerned require.

OBJECT.

This College is intended to furnish higher courses of LIBERAL studies, leading to the customary academical degrees. Much of the instruction is given by lectures, and in general the methods and discipline are those proper to UNIVERSITY students.

COURSES OF STUDY.

There are three regular undergraduate courses, as given below They are arranged according to the following principles :

1. The leading study of each course is characteristic.

2. There are in general in each course 15 hours per week of recitations, and lectures, besides rhetorical and other exercises, not shown in the schedules.

There are 10 hours per week of prescribed work, and at least 5 of optional or elective work.

4. The elective studies of any course are commonly the required studies of the other courses.

JUNIOR YEAR.

		CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST TERM.	1.	Plato,—*Crito, &c.*	Analytical Geometry and Calculus.	German,—*Schiller.*
	2.	English Literature.	English Literature.	English Literature.
	3.	Analytical Geometry and Calculus, or German, or French, or Analytical Chemistry, or Art of War.	Plato,—*Crito, &c.*, or German, or French, or Analytical Chemistry, or Art of War.	Plato,—*Crito, &c.*, or Analytical Geometry and Calculus, or French, or Analytical Chemistry, or Art of War.
SECOND TERM.	1.	Tacitus,—*History.*	Lithological Geology.	German(3)* - *Schiller.* English Literature (2)
	2.	Comparative Philology(2) History of Civilization (3)	Comparative Philology(2) History of Civilization (3)	Comparative Philology(2) History of Civilization (3)
	3.	Lithological Geology, or German (3) and English Literature, (2) or French, or Calculus (*continued*) or Military History.	Tacitus,—*History*, or German (3) and English Literature (2) or French, or Calculus (*continued*) or Military History.	Tacitus,—*History*, or Lithological Geology, or French, or Calculus, or Military History.
THIRD TERM.	1.	Greek, *Lectures on Art.* Latin,—*Juvenal.*	Historical Geology.	German (3)—*Goethe.* English Literature (2)
	2.	Psychology.	Psychology.	Psychology.
	3.	Historical Geology, or German (3) and English Literature, (2) or French, or General Theory of Equations, and Modern Geometry, or Analytical Chemistry or Military Law.	Greek and Latin, or German (3) and English Literature, (2) or French, or General Theory of Equations, and Modern Geometry, or Analytical Chemistry or Military Law.	Historical Geology, or Greek and Latin, or French, or General Theory of Equations, and Modern Geometry, or Analytical Chemistry, or Military Law.

The * indicates the number of exercises per week when other than five.

SENIOR YEAR.

	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST TERM.	1. Plautus, *Captives, &c* 2 Ontology and History of Philosophy. 3. Practical Astronomy, or Elements of Criticism, or French, or Scandinavian Languages, or Analytical Chemistry.	1. Practical Astronomy. 2. Ontology and History of Philosophy. 3. Plautus,—*Captives*, or Elements of Criticism, or French, or Scandinavian Languages, or Analytical Chemistry.	1 Elements of Criticism. 2. Ontology and History of Philosophy. Plautus,—*Captives*, or Practical Astronomy, or French, or Scandinavian Languages or Analytical Chemistry.
SECOND TERM.	1. Aristotle—*Ethics*. Greek Literature. 2. Ethics and Evidences. 3. American Constitution, or German, or Italian.	1. American Constitution. 2. Ethics and Evidences. 3. German, or Aristotle and Greek Literature, or Italian.	1. American Constitution. 2. Ethics and Evidences. 3. German, or Aristotle and Greek Literature, or Italian.
THIRD TERM.*	1. Political Economy. 2 International Law, (2) Fine Arts, (1) Sanitary Science, (1) Natural Theology, (2) Greek, (1) Latin, (1) Modern Languages. (2)	1. Political Economy. 2 International Law, (2) Fine Arts, (1) Sanitary Science, (1) Natural Theology (2) Greek, (1) Latin, (1) Modern Languages. (2)	1. Political Economy. 2. International Law, (2) Fine Arts, (1) Sanitary Science, (1) Natural Theology, (2) Greek, (1) Latin, (1) Modern Languages. (2)

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* In the Third Term the student may take any, all or none of the subjects numbered (2)

For Rhetorical Exercises see page 43.

GRADUATION.

Students completing courses of study to the satisfaction of the Faculty of the College, are entitled respectively to receive the appropriate baccalaureate degrees, to-wit: Bachelor of Arts, Bachelor of Science, Bachelor of Literature.

Any person may undergo the examination in any subject, and if such person pass in all the studies and exercises of a course, he is entitled to the appropriate degree.

Special students receive certificates for successful examinations.

EXAMINATIONS.

The proficiency of students of this College in the various departments of instructions, is ascertained by means of examinations only. These take place at the end of each term, and are conducted in writing. The results are estimated on a scale of one hundred. The merit of the rhetorical and other exercises are reduced to the same scale at the end of each term. A mininum mark of 75 per cent. in each study and exercise is necessary to "pass."

REGULATIONS.

Students of this college are expected to attend the morning assembly, and are required to be present when appointed to deliver public rhetoricals.

Absentees from lectures, recitations and other duties, report their excuses to the professors concerned. Five unexcused absences in any term debar a student from the examination in any department of instruction.

No student may have less or more than fifteen hours of work per week, unless by consent of the Faculty.

The College of Mechanic Arts.

THE COLLEGE OF MECHANIC ARTS

THE FACULTY.

The President;
Professors THOMPSON, WINCHELL,
RHAME, PECKHAM;
MARSTON, Mr. PECK.

STUDENTS. 1875-6.

SENIOR YEAR: Messrs. GILLETTE, HENDRICKSON E. A., THAYER, C. E.

JUNIOR YEAR: Mr. PARDEE.

ADMISSION.

Applicants who have completed the Scientific Course of the Collegiate Department, are entitled to admission to the JUNIOR CLASS without further examinations. Other applicants, if candidates for graduation, must pass satisfactory examination in all the studies of that course. Applicants for special studies in this College are admitted to the classes, if competent in the judgment of the professors concerned, to receive the instruction. Mechanics and others who have not time to take a full course, but have only a few months of the year at their disposal, will be admitted to special courses, and given free instruction in drawing, and directed in such other work as may be most profitable in the time at their command.

OBJECT.

The aim of the instruction given in this college is to lay a broad and solid foundation in Mathematics, Mechanics and Drawing, so that with the practice in field, shop and office work, given to the students in the respective courses, they shall be fitted for immediate usefulness upon graduation, and after a moderate amount of subsequent practice and experience, be capable of taking charge of important works.

METHODS OF INSTRUCTION.

Instruction in the several subjects pertaining to Civil and Mechanical Engineering and Architecture, is given by text-books, lectures, reading in the general library, and practical exercises—the theory being applied in the solution of practical problems, and the construction of original drawings.

The College possesses a good compass, transit instrument, level and a variety of measures; ample opportunity is afforded to become familiar with their use in actual field operations.

Descriptive Geometry taught in the Collegiate Department, preparatory to several studies in the different courses in this College. is illustrated by means of a full set of beautiful models made by Schrœder, of Darmstadt, Germany. Together with these were imported several models of roofs and bridges, by the same maker, to serve as guides to students in Architecture and Bridge Building. who, to fix the principles learned in the class room, are required to make trusses and other constructions.

A beginning has been made in fitting up a shop for the accommodation of students in Mechanical Engineering. The University possesses a lathe, with the necessary tools, to which additions will be made as fast as practicable.

Field practice is a portion of the regular course in Civil Engineering. The classes in Surveying are drilled in the actual work of lotting out and measuring land, as well as in the solution of various geometrical and trigonometrical problems, from data taken by members of the class themselves. The class in Railroad Engineering have practice in laying out curves, taking levels, cross-sectioning, staking out—in fact, in all the work of locating a railroad line, from the preliminary survey up to the point of actual construction.

COURSES OF STUDY.

Three regular undergraduate courses have been organized upon the following data:

1. There are fifteen lectures or recitations per week, besides drawing, field and shop work, and the rhetorical and other exercises.

2. As a general rule, there are ten hours per week of prescribed work, and five of elective.

3. The "electives" are chosen from corresponding years and terms of this and other Colleges.

JUNIOR YEAR.

	Civil Engineering.	Mechanical Engineering.	Architecture.
First Term.	1. Higher Surveying and Leveling. Topographical Drawing 2. Differential Calculus. 3. Elective.	1. Machinery,—Use of Lathe, &c. Mechanical Drawing. 2 Differential Calculus. 3. Elective.	1. History of Architecture. Architectural Drawing. 2. Differential Calculus. 3. Elective.
Second Term.	1. Analytical Mechanics; Shades, Shadows and Perspective. 2. Integral Calculus. 3. Lithological Geology.	1. Analytical Mechanics; Shades, Shadows and Perspective 2. Integral Calculus. 3. Lithological Geology.	1 Analytical Mechanics; Shades, Shadows and Perspective. 2. Integral Calculus. 3. Elective.
Third Term.	1. Geodesy, with field practice. 2. Gen. Theory of Equations and Mod. Geometry. 3. Elective.	1. Motors,—*Hydraulic, Steam, &c.* 2 Gen. Theory of Equations, and Mod. Geometry. 3. Elective.	1. Constructions, *with Drawing.* 2. Ventilation and Heating. 3. Elective.

For rhetorical exercises see page 43.

SENIOR YEAR.

	Civil Engineering.	Mechanical Engineering.	Architecture.
First Term.	1. Field Engineering,—*Railway Work, with Drawing.* 2. Applied Mechanics,—(*Strength and Stress of Materials.*) 3. Practical Astronomy.	1. Machinery, *with drawing* 2. Applied Mechanics,—(*Strength and Stress of Materials.*) 8. Practical Astronomy.	1. Architectural Designing,—*with drawing.* 2. Applied Mechanics,—(*Strength and Stress of Materials.*) 3. Elective.
Second Term.	1. Engineering Structures,—(*Framing, Bridges, &c.* 2. Stereotomy, *with drawing* 3. Elective.	1. Mechanical Constructions. 2. Stereotomy, *with drawing.* 3. Elective.	1. Engineering Structures,—(*Framing, Roofs, &c*) 2. Stereotomy, *with drawing.* 3. Elective.
Third Term.	1. Building Materials,—(*Woods, Stones, Bricks, Mortars and Cements.*) 2. Analytical Mechanics. 3. Elective.	1. Building Materials,—*Woods, &c.*) 2. Analytical Mechanics. 3. Elective.	1. Building Materials,—(*Woods, &c.*) 2. Specifications, Estimates &c. 3. Elective.

For rhetorical exercises see page 43.

GRADUATION.

Students completing the foregoing courses to the satisfaction of the Faculty, are entitled respectively to receive the appropriate baccalaureate degrees, to wit: Bachelor of Civil Engineering, Bachelor of Mechanical Engineering, Bachelor of Architecture.

Special students receive certificates for successful examinations in the branches pursued. Any person is entitled to undergo the examination in any subject, and if such person pass in all the studies and exercises of any course, he is entitled to the appropriate degree.

EXAMINATIONS.

The proficiency of students in this college is ascertained by examinations conducted in writing, at the close of each term. These are estimated on a scale of one hundred. The marks for rhetorical and other exercises are reduced to the same scale at the close of each term. A minimum of 75 per cent. in each study, and exercise, is necessary to "pass."

REGULATIONS.

Students of this College are expected to attend the Morning assembly, and are required to be present when appointed to deliver public rhetoricals.

Absentees from lectures, recitations, and other duties, render excuses to the professor concerned. Five unexcused absences in any term debar from the examinations in that department of instruction.

No student may have more or less than 15 hours's work per week, without leave of the Faculty.

The College of Agriculture.

THE COLLEGE OF AGRICULTURE.

THE FACULTY.

The PRESIDENT:	Prof. WINCHELL,
Prof. PECKHAM.	" MARSTON,
	Assistant Professor LACY (Secretary.)

STUDENTS, 1875-'6.

JUNIOR YEAR: Messrs. *HENDRICKSON A. P. QUINN.

I. THE REGULAR UNDERGRADUATE COURSE.

ADMISSION.

This course properly follows the Scientific Course of the Collegiate Department, but it may also follow either of the other courses of that Department, or the Elementary Course in Agriculture. Applicants who have completed any one of these courses are therefore entitled to admission to this College. Other applicants, if candidates for graduation, must be examined in the same or in equivalent studies.

OBJECT.

The studies and exercises of this course are designed to give to students already well instructed in liberal studies and in general science, special training in the sciences related to Agriculture, including their practical application.

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*Transferred to Scientific Course, Third Term.

REGULAR [OR UNIVERSITY] COURSE.

Junior Year.

FIRST TERM.	SECOND TERM.	THIRD TERM.
1. Agricultural Chemistry, (*Composition of Plants and Soils.*	1. Agricultural Chemistry, (*Analysis of Soils.*)	1. Agricultural Chemistry, (*Analysis of Fertilizers and Foods.*)
2. Agricultural Botany and Landscape Gardening.	2. Horticulture.	2. Arboriculture and Economic Entomology.
3. *Electives.*[*]	3. *Electives.*	3. *Electives.*

Senior Year.

FIRST TERM.	SECOND TERM.	THIRD TERM.
1. Practical Agriculture, (*Soils and Fertilizers.*)	1. Practical Agriculture, (*Farm Crops.*)	1. Practical Agriculture, (*Farm Animals.*)
2. Comparative Anatomy and Physiology.	2. Veterinary Medicine and Surgery.	2. Economics, (*Accounts, &c.*)
3. *Electives.*	3. *Electives.*	3. *Electives.*

[*] The Electives are to be chosen from the studies of corresponding terms and years of other colleges. Rhetorical exercises are required in the same amount as in other colleges. See page 43.

Students completing the above course to the satisfaction of the Faculty, are entitled to receive the degree of Bachelor of Agriculture.

SCOPE OF INSTRUCTION.

IN AGRICULTURAL CHEMISTRY.—A thorough study of Prof. Johnson's two books, "How Crops Grow," and "How Crops Feed," and a course in the analysis of soils, fertilizers, grain and fodders.

IN AGRICULTURAL BOTANY.—Botanical characters, properties and peculiarities of those natural orders containing plants of interest to the farmer and horticulturist, together with a special study of the most important individuals of these orders.

IN ECONOMIC ENTOMOLOGY.—Brief general view of the animal kingdom, general characters of insects; characters and peculiarities of those families containing useful or injurious members; together with a special study of the most important individuals of these families.

IN HORTICULTURE.—Relations of heat, light, moisture and food to plant growth; and the means of controlling their supply and intensity; plant houses, hot beds, &c.; soils and manures, and their manipulation; propagation of plants; grafting, budding, pruning, training, &c.; planting and transplanting; hybridizing, crossing and selecting; cultivation of the apple, pear, plum and other large fruits; cultivation of the currant, strawberry, raspberry, cranberry and other small fruits; kitchen gardening, market gardening and floriculture.

IN ARBORICULTURE.—Reasons for planting forest trees; what trees to plant; methods of propagating; care in the nursery; special culture of each species.

IN LANDSCAPE GARDENING.—The different systems and their adaptations; principles of the art; desirable effects and how to secure them; undesirable effects and how to avoid them.

IN PRACTICAL AGRICULTURE.—History of Agriculture; brief review of chemical composition and physical properties of air and water as related to the soil and vegetation; the chemical constituents and practical classification of soils; properties, peculiarities, treatment and adaptations of each kind; reclamation and improvement of soils, including drainage, subsoiling, trenching, altering, fallowing, paring and burning, preparatory tillage, roadmaking, and fencing; manufacture, preservation and application of manures and stimulants; green manuring and irrigation; farm implements and machinery; history, growth, general management and sale of the different farm crops; the different breeds of farm animals, their characteristics and adaptations; breeding, rearing, feeding and management for the different purposes to which each is suited; selection and purchase of farms; the situation, relative position, size and internal arrangements of farm buildings, and their adaptation to the purposes for which intended; different systems of farm economy, and circumstances governing their adoption; rotations and sequence of farm operations; farm accounts.

IN COMPARATIVE ANATOMY AND PHYSIOLOGY.—Anatomy, physiology and hygiene of the domestic animals.

IN VETERINARY MEDICINE AND SURGERY.—Prevention and treatment of diseases and injuries of the domestic animals.

ECONOMICS.—Grain raising, stock raising, dairying, general farming, fruit culture, market gardening and other specialties; legislation relating to agriculture; relations of agriculture to commerce, manufactures, labor, government, taxation, &c.

TEXT BOOKS AND BOOKS OF REFERENCE.—Johnson's How Crops Grow and How Crops Feed; Caldwell's Agricultural Chemical Analysis; Thomas's American Fruit Culturist; Fuller's Small Fruit Culturist; Bryant's Forest Trees; Chauveau's Anatomy of the Domestic Animals, Gray's Systematic Botany, Darlington's American Weeds and Useful Plants; Downing's Landscape Gardening; Loudon's Horticulturist; Downing's Fruits and Fruit Trees of America; Harris's Insects Injurious to Vegetation; Entomological reports; Morton's Cyclopedia of Agriculture; Stephens's Book of the Farm; Allen's New American Farm Book; Allen's American Cattle; Randall's Practical Shepherd; Harris on the Pig; Gamgee's Domestic Animals in Health and Disease; Stonehenge's The Horse in the Stable and the Field.

II. THE ELEMENTARY COURSE.

STUDENTS, 1875–6.—Messrs. Griswold and Scofield.

This course agrees in the main with the Scientific Course oı the Collegiate Department, but differs from it in the substitution of some Natural Sciences and practical instruction for

Languages and Mathematics in the latter part. The requisites for admission are the same as for admission to the Collegiate Department.

ELEMENTARY COURSE.

CLASS.	FIRST TERM.	SECOND TERM.	THIRD TERM.
IV.	1. Physical Geography. 2. English Composition. 3. History of England.	1. Natural Philosophy. 2. Algebra. 3. Study of Words.	1. Physiology. 2. General History. 3. Elementary Astronomy.
III.	1. Natural Philosophy. 2 Plane Geometry. 3 { Higher English Grammar or German.	1. Elements of Geology. 2 Mechanical Drawing. 3. { Modern History, or German.	1. Botany. 2. Higher Algebra. 3. { Modern History, or German.
II.	1. Molecular Physics. 2. Solid Geometry and Trigonometry. 3. { English,—*Anglo Saxon*. or German.	1. General Chemistry. 2. Elements of Zoology. 3. { Drawing, or German	1. Applied Chemistry. 2. Surveying and Farm Drainage. 3. { English,—*Readings* or German.
I.	1. Mechanical Physics. 2. Analytical Chemistry. 3. Agricultural Botany and Landscape Gardening. 4. { History, or French.	1. Practical Agriculture. (*Farm Crops.*) 2. Horticulture. 3. { English, -*Readings*, or French,	1. Practical Agriculture. (*Farm Animals.*) 2 Rhetoric. 3. { Zoology, or French.

Ancient Languages optional.

So far as practicable the students of this department recite with the classes of the Collegiate Department. The same rhetorical, military and other exercises are required as in that department.

While the above schemes indicate when regular and systematic instruction in the different studies will be given, instruction in PRACTICAL agriculture and horticulture will be given at various times throughout the whole course. The farm and gardens will be made to afford every possible facility for observation and practice, and enough of the latter will be required of all regular students in this Department to give them skill in the different operations of the farm and gardens.

III. SPECIAL COURSES.

While the above courses of study are provided for those who desire a systematic education in scientific Agriculture, the Board of Regents provide in their By-Laws for the ADMISSION OF ANY PERSONS TO ANY CLASS upon the sole condition that they appear to be competent to receive the instruction. Thus are the doors of the College of Agriculture thrown wide open to all disposed and qualified to profit by its instruction.

IV. THE FARMERS' LECTURE COURSE.

This course is specially designed to meet the wants of farmers and others who desire scientific and practical information relating to their calling, and whose business prevents them from spending an entire year away from home. These lectures will extend through ten weeks, two being given on each of five days in the week, while exercises equivalent to a third lecture will be given in Practice in the Chemical Laboratory, in Drawing, in Farm Accounts, or in Reading in the Library.

The instruction given will be both scientific and practical The former will include Agricultural Chemistry, Botany, Physiology, Entomology, Geology and Mechanics, and will be given by those professors who have these departments in charge in the University. The latter will include the Improvement of Soils by Drainage, Subsoiling, Trenching, Plowing, Rotations, Manures, &c. Grain Raising, Stock Raising, Dairying, Fruit Culture, Forest Culture, Farm Accounts, and Rural Architecture, and will be given by the Professor of Agriculture and by men who have become successful and noted in these special departments.

No fees, examinations, or other conditions will be imposed for admission to this course, but its advantages will be ABSOLUTELY FREE to all.

NOTICE.

The above course of lectures will be given next year, (1876-7), provided that by the first day of November, 1876, thirty persons not members of any class in the University shall have signified to Professor Chas. Y. Lacy their intention to attend this course.

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L'ÉTOILE DU NORD.

THE UNIVERSITY OF MINNESOTA.

THE

CALENDAR

FOR THE YEAR

1876-7.

THE UNIVERSITY OF MINNESOTA.

THE

CALENDAR

FOR THE YEAR

1876-7.

THE ANNUAL CALENDAR published by authority of the Board of Regents, is a record of the condition and membership of the University for the given University year, and also contains the announcements for the University year following.

The Calendar will be sent gratuitously, postage paid, to all persons in the State who apply for it. Persons not residing in the State, desiring the Calendar are requested to remit ten cents per copy. This does not apply, however, to exchanges with other institutions of learning.

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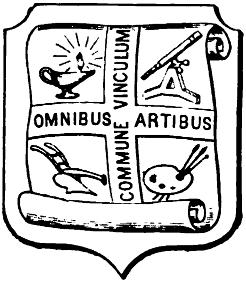
THE
UNIVERSITY OF MINNESOTA.

THE
CALENDAR
FOR THE YEAR

1876–7.



BY THE UNIVERSITY.

MINNEAPOLIS.

1877.

TABLE OF DATES, 1876–7.

1876.

SEPTEMBER 19. YEAR 1876–7 BEGAN.
20., 21. Entrance Examinations.
22., 23. Examinations for advanced rank.
26. Recitations and Lectures began.
DECEMBER 12., 13. Examinations.
14. First Term (13 weeks,) closed.

RECESS.

DECEMBER 19. Second Term began.

1877.

MARCH 6., 7. Examinations.
8. Second Term (12 weeks,) closed.

RECESS.

MARCH 13. Third Term (13 weeks,) began.
JUNE 5., 6. Examinations.
7. COMMENCEMENT.

THE VACATION.

THE BOARD OF REGENTS.

The Hon. WILLIAM R. MARSHALL, St. Paul, -	1878.
The Hon. A. A. HARWOOD, Austin, - - - -	"
The Hon. HENRY H. SIBLEY, St. Paul, - - -	1879.
The Hon. THOS. S. BUCKHAM, M. A., Faribault,	"
The Hon. PARIS GIBSON, M. A., Minneapolis, -	1880.
The Hon. MORRIS LAMPREY, M. A., St. Paul, -	"
The Hon. RICHARD CHUTE, Minneapolis, - -	"

AND EX OFFICIIS,

The Governor of the State,
The Hon. JOHN S. PILLSBURY, Minneapolis.

The State Superintendent of Public Instruction,
The Hon. D. BURT, M. A., St. Paul.

The President of the University,
WILLIAM W. FOLWELL, M. A., Minneapolis.

OFFICERS OF THE BOARD.

The Hon. HENRY H. SIBLEY, St. Paul,
President.

The Hon. PARIS GIBSON, Minneapolis,
Recording Secretary and Treasurer.

WILLIAM W. FOLWELL, Minneapolis,
Corresponding Secretary.

STANDING COMMITTEES.

Executive Committee—Regents PILLSBURY, GIBSON, LAMPREY and CHUTE.

Committee on Faculty and Courses of Study—Regents SIBLEY, MARSHALL, HARWOOD, BURT and BUCKHAM.

Committee on Agricultural College—Regents MARSHALL, HARWOOD and BUCKHAM.

Committee on Library—Regents GIBSON, BURT and PILLSBURY.

Auditing Committee—Regents SIBLEY, MARSHALL and LAMPREY.

MEETINGS.

The Annual Meeting is fixed by the charter for the second Tuesday in December; other meetings occur in the Spring Recess, and on Commencement Day.

OFFICERS OF INSTRUCTION.

WILLIAM W. FOLWELL, President, *502 5th St., S. E.*
Instructor in Political Economy, and Librarian.

G. CAMPBELL, M.A., B.D., Vice President, *204 4th St. N.*
Professor of Mental and Moral Philosophy.

JABEZ BROOKS, M.A., D.D., *1706 Laurel Avenue, W. D.*
Professor of the Greek Language and Literature, and in charge of the Latin Language and Literature.

EDWIN J. THOMPSON, M.A., *1123 3d St. S. E.*
Professor of Mathematics and Astronomy.

NEWTON H. WINCHELL, M.A., *State Geologist, State St., E. D.*
Professor of Geology and Mineralogy.

CHARLES N. HEWITT, M.D., *Red Wing.*
Non-resident Professor of Public Health.

MITCHELL D. RHAME, M.A., *1402 4th St. S. E.*
Professor of Civil and Mechanical Engineering.

STEPHEN F. PECKHAM, M.A., *121 Pleasant St. E. D.*
Professor of Chemistry and Physics.

JOHN G. MOORE, B.A., *1003 6th St. S. E.*
Professor of North European Languages.

MOSES MARSTON, M.A., *912 3d Avenue S.*
Professor of the English Language and Literature.

Richard W. Laing, LL.D., Professor of History.	*1600 5th St. S. E.*
John A. Lundeen, U. S. A., Professor of Military Science.	*1003 6th St. S. E.*
Charles Y. Lacy, B. Agr., Assistant Professor, in charge of Theory and Practice of Agriculture.	*204 4th St. S. E.*
Louis W. Peck, Instructor in Physics and Drawing.	*121 Pleasant St. E. D.*
Mrs. **Augusta Norwood Smith**, Preceptress and Instructor in English.	*814 5th St. S. E.*
John C. Hutchinson, B.A., Instructor in Greek,	*1324 5th St. S. E.*
John S. Clarke, B.A., Assistant Librarian and Instructor in Latin.	*414 Monroe St. E. D.*
Henry C. Leonard, B.S., Instructor in Botany.	*1717 4th St. S. E.*

OTHER OFFICERS.

William T. Scott,	*Farm Superintendent,*	*22 Prospect St. E. D.*
Graham C. Campbell,	*Second Assistant Librarian,*	*Room 25.*
Charles W. Savidge,	*Ass't in Chemical Laboratory,*	*Room 28.*
J. Clarence Bryant,	*Janitor, Main Building,*	*Room 26.*
George A. Wood,	*Janitor, Ag'l College.*	
Fred C. Bowman,	*Carpenter,*	*Room 32.*

FACULTIES OF THE UNIVERSITY.

THE GENERAL FACULTY.

The PRESIDENT; Professors CAMPBELL, BROOKS, THOMPSON, WINCHELL, RHAME, PECKHAM (*Secretary*), MOORE, MARSTON, LAING, and LACY.

THE SPECIAL FACULTIES.

I. Of the College of Science, Literature and the Arts:

The President; Professors CAMPBELL, BROOKS, THOMPSON (*Secretary*), WINCHELL, PECKHAM, MOORE, MARSTON, and LAING.

II. Of the College of Mechanic Arts:

The President; Professors THOMPSON, WINCHELL, RHAME (*Secretary*), PECKHAM and MARSTON.

III. Of the College of Agriculture:

The President; Professors WINCHELL, PECKHAM, MARSTON, Assistant Professor LACY (*Secretary*).

GRADUATES.

BACHELORS IN ARTS.

Warren Clarke Eustis,	*Hennepin Co.*	1873.
Henry Martyn Williamson,	*Nicollet* "	"
George Edwin Ricker,	*Hennepin* "	1874.
Andrew Russell Cass,	*Canada.*	1875.
Julius Elliott Miner,	*Goodhue* "	"
Simon Peter Starritt,	*Wright* "	"
John Sinclair Clarke,	*Nova Scotia.*	1876.
John Corrin Hutchinson,	*Dakota Co.*	"
William Edwin Leonard,	*Hennepin* "	"
John Aiken Sweat,	*Maine.*	"

BACHELORS IN SCIENCE.

Edward Chatfield,	*Fillmore Co.*	1874.
Clark Stewart,	*Hennepin* "	1875.
Samuel Addison Rank,	*Fillmore* "	"
Martha Appleton Butler,	*Missouri.*	1876.
Robert Henry Crafts,	*Hennepin Co.*	"
William Herod Locke,	" "	"
Lewis Singer Gillette,	*Michigan.*	"
Eugene Alvin Hendrickson,	*Ramsey Co.*	"

BACHELORS IN LITERATURE.

Helen Mar Ely,	*Winona Co.*	1875.

BACHELORS IN CIVIL ENGINEERING.

Henry Clay Leonard,	*Fillmore Co.*	1875.
Samuel Addison Rank,	" "	"
Clark Stewart,	*Hennepin* "	"
Lewis Singer Gillette,	*Michigan.*	1876.
Eugene Alvin Hendrickson,	*Ramsey Co.*	"
Charles Edward Thayer,	*Hennepin* "	"

STUDENTS.

ALPHABETICAL ROLL, 1876-7.

George Briggs Aiton,	*Saint Peter.*	Classical, IV.
Emma Frances Allen,	*Hamilton.*	Modern, IV.
Frederick Tristram Allen,	*Hamilton.*	Modern, IV.
Samuel Gilmore Anderson,	*Eden Prairie.*	Classical, III.
Frank Henry Anson,	*Minneapolis.*	Modern, III.
George Joseph Backus,	*Featherstone.*	Scientific, IV.
Asa Kneeland Baker,	*Saint Paul.*	Special.
H. E. Baker,	*Saint Paul.*	Special.
Otway Wilkinson Baldwin,	"	Classical, III.
Frank Marshall Barnard,	"	Scientific, IV.
Carrie Maria Barrett,	*Wasioja.*	Special.
Walter Barrett,	"	Scientific, I.
William Johnson Barrett,	"	Scientific, IV.
William Lincoln Bassett,	*Minneapolis.*	Modern, Sen.
Margaret Stranger Bayliss,	*Winona,*	Special.
Aaron Beede,	*Sandwich, N. H.*	Special.
Francis Collins Berry,	*Minneapolis.*	Scientific, II.
Frederic Gerald Berry,	*Brooklyn.*	Scientific, II.

Sydney Dyre Berry,	*Brooklyn.*	Scientific, IV.
Fred Capin Bowman,	*Litchfield.*	Special.
Peter Paul Bodeen,	*Stillwater.*	Special.
William Proctor Brackett,	*Minneapolis.*	Special.
Julia M. Bradley,	*Saint Paul.*	Special.
Newton James Bray,	*Young America.*	Scientific, IV.
John James Brewis,	*Bloomington.*	Special.
Adin Pease Brooks,	*Minneapolis.*	Classical, II.
David Denslow Brooks,	“	Classical, III.
Olive Emma Brooks,	“	Modern, III.
Herbert John Broughton,	“	Scientific, III.
Cora Inez Brown,	“	Special.
Sarah Jennie Brown,	“	Special.
Julian Clarence Bryant,	*Saint Peter.*	Classical, III.
James Francis Bryant,	“	Classical, II.
William Cullen Bryant,	“	Classical, II.
Catherine Amelia Burnes,	*Minnetonka.*	Scientific, I.
Diana Burnes,	“	Scientific, I.
Charles Spencer Bushnell,	*Minneapolis.*	Civ. Eng. Jun.
Martha Appleton Butler, B. S.,	“	Graduate.
Charles Morey Butts,	*Plainview.*	Scientific, I.
Timothy Edward Byrnes,	*Kingston.*	Scientific, I.

Graham Cox Campbell,	*Mid. Stewiacke, N. S.*	Class'l, Sen.
Margaret Agnes Campbell,	“ “	Special.
Matilda Jane Campbell,	*Machias, Me.*	Modern, Sen.
Althea Carrothers,	*Brainerd.*	Modern, IV.

George Gray Carville,	*Faribault.*	Scientific, I.
Caroline L. Chamberlain,	*Minneapolis.*	Special.
Eva Mary Champlin,	*Maple Grove.*	Scientific, I.
Clara Belle Childs,	*Prescott, Wis.*	Special.
Joel Nathaniel Childs,	“ “	Classical, Sen.
Luella Cloud,	*Minneapolis.*	Modern, III.
Henry Ridgeway Cobb,	“	Classical, III.
John Webster Cobb,	“	Special.
John McDowell Cochrane,	“	Classical, III.
Henry Waldo Coe,	*Morristown.*	Modern, III.
John Franklin Collom,	*Minneapolis.*	Classical, I.
Lillian Adora Connor,	“	Modern, IV.
Frank Willis Cook,	“ *Tp.*	Scientific, IV.
Ellen Louise Coolbaugh,	“	Modern, II.
Ellen Cooney,	*Afton,*	Modern, II.
Thomas Cooney,	“	Scientific, III.
Fred Leslie Couillard,	*Richfield.*	Scientific, Jun.
Lettia May Crafts,	*Minneapolis.*	Modern, III.
Christena Mary Currie,	*Saint Charles.*	Special.
Ebenezer Abraham Currie,	“	Classical, Sen.
William Andrew Currie,	“	Scientific, II.

Charles Henry Davidson,	*Read's Landing.*	Scientific, IV.
Lillian Edna Dawley,	*Lake City.*	Modern, IV.
William Sanborn Dawley,	“	Scientific, I.
Ida Kate Dearborn,	*Monticello.*	Modern, III.
Albert Edward Doten,	*Kedron.*	Classical, IV.

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Arthur Eastman,	*Minneapolis.*	Special.
Henry B. Eddy,	"	Special.
Etta Medora Elliot,	"	Classical, I.
Julia Maria Ensign,	*Duluth.*	Modern, IV.
Mary Phebe Ensign,	"	Modern, IV.
Emma Eustis,	*Saint Anthony.*	Modern, IV.
Frank Eustis,	"	Classical, Sen.
Fred Eustis,	"	Classical, Sen.
Helen Eustis,	"	Modern, IV.
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Andrew Farrell,	*Stockholm, Wis.*	Special.
Gustav Fischer,	*New Ulm.*	Scientific, III.
Patrick Fitzpatrick,	*Lanesboro.*	Special:
Calvin Albert Fleming,	*Garden City.*	Classical, IV.
Clara Constance Florer,	*Wabasha.*	Modern, IV.
Fred Hascal Foster,	*Minneapolis.*	Classical, I.
Scott Arthur Foster,	*Hyde Park.*	Scientific, IV.
Viola Fuller,	*Austin.*	Modern, Sen.
Addison Gage,	*Anoka.*	Scientific, I.
Francis Henry Garver,	*Dodge Center.*	Scientific, III.
Henrietta Getchell,	*Minneapolis.*	Scientific, Jun.
Philip Gibson,	"	Special.
Allen Daniel Goodman,	*Waseca.*	Scientific, IV.
John Finley Goodnow,	*Minneapolis.*	Classical, I.

Mary Ellen Goodrich,	*Minneapolis.*	Special.
James Bennett Gould,	*Eden Prairie.*	Classical, III.
Elwin Davis Graham,	*Minneapolis.*	Scientific, IV.
Horace Burnham Greeley,	*Mapleton.*	Scientific, II.
Allen Jay Greer,	*Lake City.*	Scientific, I.
Emma Elizabeth Grimes,	*Minneapolis Tp.*	Modern, III.
George Sutherland Grimes,	" "	Scientific, III.
Frank Sessions Griswold,	"	Elm. Agr., II.
Claus Jeremiah Gunderson,	*Alexandria.*	Special.
Ina Maria Gutterson,	*Owatonna.*	Modern, IV.
Alberton Heath Hall,	*Minneapolis.*	Classical, III.
Florence Elizabeth Hall,	*Hudson, Wis.*	Modern, IV.
Pearl Mitchell Hall,	*Minneapolis.*	Scientific, III.
Charles Sumner Ham,	*Irving.*	Classical, IV.
Mary Caroline Hanscome,	*Brooklyn Center.*	Modern, III.
Frances Atcheson Harper,	*Kalamazoo, Mich.*	Special.
Francis Kimball Harriman,	*Corinna.*	Classical, III.
Hannah Frances Harrison,	*Minneapolis.*	Special.
John Hausener,	*Worthington.*	Modern, IV.
Warren Hauser,	*Minneapolis.*	Classical, III.
Catherine Haven,	"	Modern, IV.
Frank Healey,	*Preston.*	Modern, IV.
Peter Joseph Healey,	*Fountain.*	Modern, IV.
Samuel Fuller Heath,	*Lincoln.*	Scientific, IV.
Albert Preston Hendrickson,	*Saint Paul.*	Scientific, Sen.
Emma Laura Hendrickson,	"	Modern, IV.

Ernest Wm. Hendrickson,	*Saint Paul.*	Scientific, IV.
Walter Scott Hern,	*Minneapolis.*	Scientific, III.
John Wilbur Hernlund,	"	Scientific, IV.
Clarence Luther Herrick,	"	Scientific, III.
John Wicks Heywood,	*Sandusky, O.*	Special.
Alvin Hildreth,	*Sumner.*	Modern, I.
Henry Hinds,	*Shakopee.*	Scientific, III.
Andrew Holt,	*Carver.*	Modern, II.
Joseph Elisha Horton,	*Preston.*	Modern, II.
Elizabeth Augusta House,	*Minneapolis.*	Modern, II.
Judson Torrey Howell,	*Chatfield.*	Scientific, Jun.
Susan Ella Hoyt,	*Saint Paul.*	Modern, IV.
Martha Frances Hughes,	*Minneapolis.*	Classical, III.
Mary Nancy Hughes,	"	Modern, IV.
James Jennison,	*Red Wing.*	Scientific, II.
Everett Carpenter Johnson,	*Saint Charles.*	Special.
Helen Estelle Johnson,	*Minneapolis.*	Modern, III.
John Frederick Johnson,	"	Special.
Richard Hartwell Johnson,	*Saint Charles.*	Scientific, IV.
William Chandler Johnson,	*Minneapolis.*	Special.
Benedict Juni,	*Milford.*	Scientific, III.
John Charles Kassube,	*Minneapolis.*	Scientific, Sen.
Elijah Stevens Kelley,	"	Special.
Charles Edward Kent,	*Toledo, O.*	Classical, III.
Jane Kerr,	*Monticello.*	Special.
William Winchester Keysor,	*Mankato.*	Modern, I.

Augusta Elizabeth Kiefer,	*Saint Paul.*	Modern, IV.
Louise Lillian Kilbourne,	*Minneapolis.*	Modern, IV.
Louise Adelaide Kirkwood,	*Crystal Lake.*	Modern, III.
Frances Ada Knox,	*Spring Valley.*	Classical, II.
Laura Augusta Kreis,	*Monticello.*	Modern. III.
Etna Kuhlman,	*New Ulm.*	Scientific, IV.
Luellen Diamond Lampman,	*Cleveland.*	Special.
Henry David Lang,	*Saint Paul.*	Modern, IV.
William Anthony Lang,	"	Modern, IV.
Bessie Sumner Lawrence,	*Minneapolis.*	Modern, II.
Charles William Lawson,	*Anoka.*	Classical, IV.
Catherine Lennon,	*Minneapolis.*	Special.
Anna Jane Leonard,	*Washington.*	Scientific, III.
William E. Leonard, B.A.,	*Minneapolis.*	Graduate.
Frank Burr Lewis,	*Minneapolis.*	Special.
George Winthrop Lewis,	*Red Wing.*	Classical, IV.
John Hamilton Lewis,	*Monticello.*	Classical, Jun.
Martha Jones Lewis,	"	Modern, III.
George Lilly,	*Morristown.*	Classical, III.
William Henry Lincoln,	*Wabasha.*	Scientific, IV.
Laura Alberta Linton,	*Cook's Valley,*	Scientific, I.
Sarah Virginia Linton,	"	Modern, IV.
William Beans Linton,	"	Scientific, IV.
David Albert Locke,	*Minnetonka.*	Scientific, III.
Samuel Allen Locke,	"	Scientific, III.
Leon Eugene Lum,	*Minneapolis*	Special.

Hiram Rogers Lyon,	*Saint Paul.*	Special.
Frank Leslie Lyon,	*Minneapolis.*	Scientific, IV.
William Francis McCarthy,	"	Special.
Geo. Alex. Lane McDonnell,	*Saint Cloud.*	Special.
Frank Smith McKean,	*Lakeland.*	Classical, I.
Emily Dana McMillan,	*Minneapolis.*	Modern, III.
Emma Ernestine Maes,	"	Modern, III.
Mary Anna Maes,	"	Modern, Jun.
Stephen Mahoney,	*Belle Plaine.*	Classical, Sen.
James Eugene Manchester,	*Blooming Prairie.*	Scientific, IV.
Anthony Albert Manderfeld,	*New Ulm.*	Special.
Minnie Mabel Merrill,	*Spring Valley.*	Modern, IV.
Henry Gomer Morris,	*Bristol.*	Special.
Thomas Morris,	"	Classical, III.
Thomas Rogers Newton,	*Maple Grove.*	Classical Jun.
Harvey Courtney Norton,	*Saint Cloud.*	Special.
Sarah Jane Norton,	*Wasioja.*	Classical, II.
Alexander Hamilton Nunn,	*Claremont.*	Classical, IV.
Walter Stone Pardee,	*Minneapolis.*	Arch. Sen.
Augusta Wymond Parke,	"	Modern, III.
David Gardner Parker,	"	Scientific, III.
Earl Partridge,	*Winona.*	Classical, III.
George Henry Partridge,	"	Scientific, I.
Charles Augustus Pauly,	*Read's Landing.*	Scientific, IV.
James Adams Payne,	*Champlin.*	Classical, IV.

Joseph Pemberton,	*Newport.*	Scientific, III.
John Waldo Perkins,	*Monticello.*	Classical, Sen.
Lawrence Walter Pettijohn,	*Shakopee.*	Scientific, IV.
Martin Luther Porter,	*Minneapolis.*	Special.
Jane Marvin Powell,	*Saint Cloud.*	Special.
Byron Preston,	*Postville, Iowa.*	Special.
Edwin Burnham Pribble,	*Osseo.*	Scientific, Sen.
Evan Rowland Prichard,	*Judson.*	Classical, Jun.
Vliet Quackenbush,	*Hoosick, N. Y.*	Modern, III.
Sarah Luella Rand,	*Minneapolis.*	Special.
Albert William Rankin,	*Saint Peter.*	Classical, II.
Charles Edward Reed,	*Zumbrota.*	Scientific, IV.
Fred Reynolds,	*Detroit.*	Modern, IV.
Minnie Aurora Reynolds,	"	Scientific, II.
Robert William Rhames,	*Rochester.*	Classical, I.
David Richards,	*Mankato.*	Special.
Charles Henry Rickert,	*Rochester.*	Classical, I.
Mary Warwick Robinson,	*Minneapolis.*	Scientific, Jun.
Chelsea Joseph Rockwood,	*Garden City.*	Classical, I.
Julia Maria Rockwood,	"	Special.
Marion Hooker Roe,	*Afton.*	Modern, I.
Caroline Rollit,	*Minneapolis.*	Modern, I.
Charlotte Adelaide Rollit,	"	Modern, Sen.
Quintin John Rowley,	*Oakland.*	Classical, III.
Clara Russell,	*Minneapolis.*	Modern, III.
Milton Morrill Russell,	"	Scientific, III.

Edward Emmore Salls,	*Le Sueur.*	Classical, III.
Charles Wilbur Savidge,	*Cleveland.*	Classical, Sen.
William Hines Savidge,	"	Special.
Florence Angelina Scofield,	*Bloomington.*	Modern, IV.
Charles Scott,	*Minneapolis.*	Special.
Caroline Eastman Secombe,	"	Special.
Mary Elizabeth Shoppe,	"	Modern, I.
Elsie Romelia Slocum,	*Norwood.*	Modern, IV.
Dwight Lewis Smith,	*Bloomington.*	Scientific, IV.
Gilman Walter Smith,	*Red Wing.*	Scientific, II.
Hettie Augusta Smith,	*Minneapolis.*	Modern, IV.
Harvey Jay Smith,	"	Scientific, Sen.
Harvey Page Smith,	*Red Wing.*	Scientific, II.
Frank Curtis Snyder,	*Minneapolis.*	Scientific, III.
Fred Beal Snyder,	"	Classical, III.
Nehemiah Palmer Stanton,	"	Scientific, III.
Archibald Abel Stone,	*Morris.*	Classical, IV.
Jessie May Sweat,	*Brownfield, Me.*	Modern, III.
Myron DeVere Taylor,	*Melrose.*	Civ. Eng., Jun.
Albert Delano Thompson,	*Minneapolis.*	Scientific, IV.
Etta Thompson,	"	Scientific, I.
Edward Robert Thompson,	*Newburgh.*	Special.
Ellen Rebecca Thompson,	*Spring Valley.*	Scientific, II.
George Burt Thompson,	*Minneapolis.*	Classical, I.
Lillian Sanborn Todd,	"	Scientific, II.
Frank Tolman,	*Saint Cloud.*	Classical, IV.

Horace Simpson Tomlinson,	*Saint Peter.*	Scientific, II.
James Carlton True,	*Saint Paul.*	Modern, III.
William G. Wheeler Tupper,	*Kellogg.*	Scientific, IV.
John Risley Van Cleve,	*Minneapolis.*	Special.
William John Warren,	*Medford.*	Scientific, Jun.
Sanford Seth Washburn,	*Blooming Prairie.*	Scientific, IV.
Benjamin Oliver Webb,	*Minneapolis.*	Special.
Albert McClure Welles,	*White Bear Lake.*	Classical, Sen.
Willard Irving Wellman,	*Red Wing.*	Scientific, III.
Martha Isabel West,	*Minneapolis.*	Modern, I.
Willis Mason West,	*Saint Cloud.*	Classical, I.
Elizabeth Baird Whitney,	*Minneapolis.*	Special.
Edward D. Neill Whitney,	"	Scientific, IV.
Asa Stearns Wilcox,	*Plainview.*	Modern, III.
Helen Josephine Wilcox,	"	Modern, I.
Minnie Ethlyn Wilcox,	"	Modern, I.
Edward Willes,	*Saint Paul.*	Classical, Jun.
Alfred Kitching Williams,	*Minneapolis.*	Classical, IV.
Daniel Williams,	*Lime Springs, Iowa.*	Classical, Jun.
Lillie Ruth Williams,	*Brooklyn Center.*	Scientific, III.
William Wadsworth Williams,	*Lime Springs, Iowa.*	Classical, III.
Jesse Craig Wilson,	*Dundas.*	Classical, IV.
Edward Emil Witschi,	*Saint Francis.*	Scientific, II.
George Albert Wood,	*Elliota.*	Modern, Jun.
Guy Lorenzo Wood,	"	Scientific, IV.
Joseph Osborn Worley,	*Saint Paul.*	Special.
Harry Emerson Young,	*Minneapolis.*	Scientific, IV.

ADDITIONAL, ABSENT WITH LEAVE.

Enos Stevens Alexander,	*Urbana, Ill.*	Scientific, I.
Wiley Augustus Brown,	*Eden Prairie.*	Scientific, IV.
Frederick Ware Buswell,	*Afton.*	Scientific, I.
Frederick Hoag Clark,	*Richfield.*	Scientific, II.
Henry Wright Foster,	*Minneapolis.*	Scientific, III.
Robert Owen Foster,	"	Scientific, III.
Charles Melvin Grimes,	*Minneapolis.*	Modern, III.
James Barclay Hall,	*Farm Hill.*	Special.
Caroline Addie Hayes,	*Minneapolis.*	Scientific, I.
Nellie Hayes,	"	Scientific, I.
James Hinton,*	*Little Valley.*	Scientific, III.
Thomas Prentiss Allen Howe,	*Minneapolis.*	Scientific, I.
Lura Dell Hutchinson,	"	Modern, Sen.
George Taylor Huy,	"	Classical, III.
Augustus Johnson,	*Detroit City.*	Scientific, III.
John Washington Keating.	*Minneapolis.*	Classical, III.
Elizabeth Amelia Kirkwood,	*Crystal Lake,*	Modern, II.
John Lind,	*Cornish,*	Modern, IV.
Charles Frederick McComb,	*Stillwater,*	Scientific, II.
John Gunderson Naeseth,	*Hader.*	Special.
Robert Peter Andrew Nix,	*New Ulm.*	Scientific, Jun.
Mary Ambrosia Pierson,	*Owatonna.*	Modern, II.
James Almond Quinn,	*Saint Paul.*	Age. Jun.

Dickinson Logan Rose,	*Mankato.*	Scientific, I.
Peter Felix Shillock,	*Minneapolis,*	Scientific, IV.
Eva Town,	*Owatonna.*	Scientific, II.

SUMMARY—1876-7.

COLLEGE OR DEPARTMENT.	CLASS.	Gentlemen.	Ladies.	TOTALS.
SCIENCE, LITERATURE AND THE ARTS,	Graduates,	1	1	2
	Senior,	14	4	18
	Junior,	11	3	14—34
MECHANIC ARTS, - - - -	Senior,	1		1
	Junior,	2		1— 3
AGRICULTURE, ADVANCED COURSE,	Junior,	1		1
AGRICULTURE, ELEMENTARY "	Second,	1		1— 2
COLLEGIATE DEPARTMENT, - -	First,	23	14	37
	Second,	19	12	31-107
	Third,	46	17	65
	Fourth,	51	22	73-138
	Special,	41	18	59—59
TOTALS, - - - - - -		211	93	304

OR BY CLASSES ONLY,

GRADUATES, - - - - - - - - - - -	2
SENIORS—OF ALL DEPARTMENTS, - - - - - -	19
JUNIORS—OF ALL DEPARTMENTS, - - - - - -	17
SOPHOMORES— FIRST CLASS COLLEGIATE DAPARTMENT,	37
FRESHMEN— SECOND CLASS " "	32-107
PREPARATORY, THIRD CLASS " "	65
PREPARATORY, FOURTH CLASS " "	73-138
SPECIALS - - - - - - - - - - - -	59—59
TOTAL, - - - - - -	304

THE UNIVERSITY.

HISTORICAL.

In the act erecting the Territory of Minnesota, approved March 9th, 1849, the Congress of the United States granted two sections of public lands for the endowment of a university.

The Territorial Legislature of 1851, on the thirteenth day of February, passed an act providing for the establishment of "an institution under the name and style of 'THE UNIVERSITY OF MINNESOTA,'" and for its location "at or near the Falls of St. Anthony."

The State Constitution, adopted by the people on the thirteenth day of October, 1857, confirmed the previous action, as follows:

"THE LOCATION OF THE UNIVERSITY OF MINNESOTA, AS "ESTABLISHED BY EXISTING LAWS, IS HEREBY CONFIRMED, AND "SAID INSTITUTION IS HEREBY DECLARED TO BE THE UNI- "VERSITY OF THE STATE OF MINNESOTA. ALL THE "RIGHTS, IMMUNITIES, FRANCHISES AND ENDOWMENTS HERETO- "FORE GRANTED OR CONFERRED, ARE HEREBY PERPETUATED "UNTO THE SAID UNIVERSITY; AND ALL LANDS WHICH MAY BE "GRANTED HEREAFTER BY CONGRESS, OR OTHER DONATIONS "FOR SAID UNIVERSITY PURPOSES, SHALL VEST IN THE INSTI- "TUTION REFERRED TO IN THIS SECTION."—*Article VIII., Sec. 4, p. 37 of the General Statutes of Minnesota, 1869.*

An effort was thereupon made to organize and open the institution. A plan of a building was adopted, and a portion of it erected, but no scholastic work was undertaken. The financial revulsion of 1857-8, followed closely by the war of the rebellion, checked the progress of the enterprise, and left the institution heavily encumbered.

In 1864 the Legislature appointed a special commission, composed of Hon. John S. Pillsbury, Hon. John Nichols, Hon. O. C. Merriman, to liquidate the accumulated indebtedness, by selling a portion of the public lands. About fourteen thousand acres were thus disposed of, and all debts and obligations were discharged.

The University dates its actual organization from the law of the State approved February 18th, 1868, entitled "An Act to Reorganize the University of Minnesota, and to establish an Agricultural College therein." This act, as modified in some details by an act approved March 4th, 1872, may be found printed in full in the Calendar for the University year 1874-5. The acts referred to may be said to constitute the CHARTER of the University.

The seventh section, placing the income to be derived by the state from the so-called "Agricultural College" land grant, at the disposal of the Board of Regents, imposes upon them, by obvious implication, the duty of carrying out the provisions of the act of Congress making that grant, referred to in the section. This act forms Chapter CXXX. of the Laws of the United States, 1862, and is entitled "An act donating public lands to the several States and Territories which may provide Colleges for the benefit of Agriculture and the Mechanic Arts." The full text may be found in the Calendar for 1874-5.

A preparatory department was opened in October, 1867. In 1869 the first Faculty, consisting of a president and eight professors, was formed and the first college class was organized. The first Annual Commencement was held June 19th, 1873.

GENERAL PLAN.

Under the organic law the Board of Regents are authorized to establish any desired number of Departments or Colleges, the following, however, being specified :

"A Department of Elementary Instruction ;

"A College of Science, Literature and the Arts ;

"A College of Agriculture ;

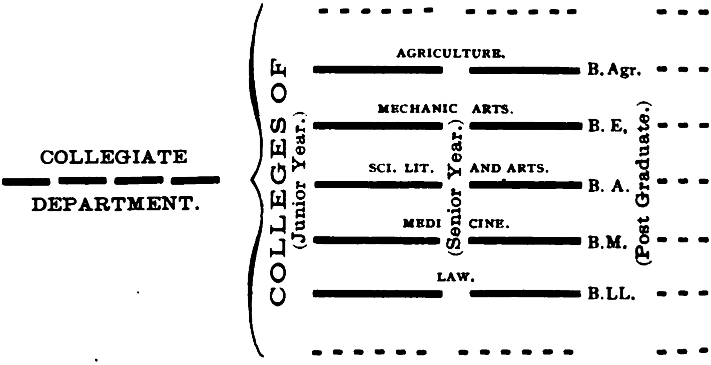
"A College of Mechanic Arts ;

"A College or Department of Medicine ;

"A College or Department of Law."

The Colleges of Law and Medicine have not yet been organized.

The relative positions of these Colleges or Departments are illustrated by the following diagram :



The Department of Elementary Instruction, otherwise designated, by virtue of a by-law of the Board of Regents,

"THE COLLEGIATE DEPARTMENT,"

is introductory to the permanent colleges of the University. It includes, together with the work of the freshman and sophomore classes of the ordinary college courses, the remainder of the old Preparatory Department, so long as any may be retained. In common with the colleges and universities of the newer states, the institution has been obliged to carry a large amount of preparatory work. One year of such work has been already dropped, and others will be formally discontinued as soon as may be.

This arrangement of departments emphasizes and formulates the growing tendency and custom of American colleges and universities to make the close of the second or sophomore year a branching point for certain professional or technical courses, and for the introduction of optional studies. It presupposes a separation of the secondary and superior epochs of education, and a corresponding assortment of studies. The high schools and other "fitting schools" of the state are thus invited to extend their work substantially up to the junior year. When this shall have been generally done, the University will, as provided by law, dispense with the whole of the Department of Elementary Instruction, and will extend her work on post-graduate ground. In the meantime the elementary work of the University will begin at the point where the schools of the state leave off.

The general plan of the University contemplates a group or federation of distinct colleges, having each its own organization, faculty, buildings and equipment. Among the advantages claimed for this general plan may be named the following:

1. A faithful adherence to the letter and spirit of the laws, state and national, which have established and endowed the

University, and which contemplate it as a federation of literary, professional and industrial Colleges.

2. That, while offering the old college curriculum and discipline in their best forms to the literary and professional classes, the University will provide for the industrial classes that "liberal and practical education" required by law and public sentiment.

3. The separation of the natural epochs of secondary and superior education, and the ultimate liberation of the University from the elementary work of the former: and coinciding with this division, an advantageous assortment of studies, methods and discipline suitable to the two periods respectively.

4. A close and vital articulation of the University with the public school system of the state.

5. The elevation of the high schools by enlarging the recognized sphere of their instruction.

6. The elevation of the professional schools by requiring of candidates for degrees a good general education as a prerequisite for admission, while not insisting upon the impossible condition that all shall have gone over the whole of the old college course.

7. The elevation in particular of the Colleges of Agriculture and Mechanic Arts to equal rank and standing with other university courses, and the separation of the studies and exercises properly belonging to them, from the elementary branches taught in the primary and secondary schools; which branches it is not the business of COLLEGES to teach.

8. Great freedom in the arrangement of details to suit varying conditions, the main plan remaining unchanged.

To put the above plan of organization into effect, as well as to prescribe the rights, powers and duties of the various parties concerned, the Board of Regents have from time to time enacted such by-laws as seemed to be necessary. These, after being submitted to the General Faculty for their revision, have been arranged and codified for convenience of reference. See Calendar for 1874–5.

INSTRUCTION.

PROFESSORSHIPS.

The following is the scheme of DEPARTMENTS OF INSTRUCTION at large, for the various Colleges or Departments of the University, authorized by the Board of Regents:

I. ACADEMIC OR GENERAL.	ASSOCIATED SUBJECTS.
1. Mathematics.	
2. Astronomy.	
3. Chemistry.	
4. Physics.	
5. Geology and Mineralogy.	
6. Botany.	
7. Zoology.	
8. Physical Geography.	
9. English Language and Literature.	Rhetoric, Logic, Anglo-Saxon.
10. North European Languages and Literature.	
11. French Language and Literature.	South European Languages.
12. Latin Language and Literature.	Roman History and Antiquities.
13. Greek Language and Literature.	Greek History and Antiquities.
14. Comparative Philology.	
15. Mental and Moral Philosophy.	History of Philosophy.
16. History.	History of Civilization. Philosophy of History.
17. Social Science.	The Civil Government. International Law.
18. Elocution and Vocal Culture.	Music; Gymnastics.
19. Public Health.	Anatomy and Physiology.

20. Industrial Drawing.	Descriptive Geometry.
21. Fine Arts.	Æsthetics.
II. PROFESSIONAL.	ASSOCIATED SUBJECTS.
22. Theory and Practice of Agriculture.	Horticulture and Arboriculture.
23. Civil Engineering.	Architecture.
24. Mechanical Engineering.	Mechanics.
25. Military Science.	
26. Veterinary Science.	Stock Breeding.
27. Education.	
28. Business.	

The following consolidations and assignments are now in force:

1. Astronomy is attached to the department of Mathematics.
2. Physics is attached to the department of Chemistry.
3 Botany, Zoology and Physical Geography are in charge of the Professor of Geology and Mineralogy.
4. Logic is attached to the Department of Social Science.
5. The French Language and Literature are in charge of the Professor of History.
6. No instruction is offered in South European Languages.
7. Comparative Philology is attached to the department of Mental and Moral Philosophy.
8. International Law is attached to the department of History.
9. Elocution and Vocal Culture are in charge of the Professor of English.
10. No instruction is offered in Music and Gymnastics.
11. The department of Public Health (with associated subjects) is in charge of the Secretary of the State Board of Health.
12. Industrial Drawing and Descriptive Geometry are attached to the chair of Civil Engineering.
13. No instruction is offered in the department of Fine Arts, except a short course of lectures.
14. Mechanical Engineering is united with Civil Engineering.
15. Veterinary Science and Stock Breeding are in charge of the Professor of Theory and Practice of Agriculture.
16. No instruction is offered in the departments of Business or Education.

COURSES OF STUDY.–DEGREES.

ACADEMICAL.

I. The COLLEGIATE DEPARTMENT offers three courses of study, called Classical, Scientific, and Modern. The Classical Course has for its leading studies the Greek and Latin languages. The Scientific Course is characterized by a succession of elementary natural sciences. The Modern Course is distinguished by the prominence given to the modern languages. Students choose their courses at time of entrance, and do not change them except as allowed by vote of the General Faculty.

At the close of his course in this department each student has his option whether to enter at once, with a fair preparation, one of the professional colleges, or to proceed with higher academical studies in the College of Science, Literature and the Arts. No degrees are offered in this Collegiate Department.

II. The COLLEGE OF SCIENCE, LITERATURE AND THE ARTS presents likewise three courses of study:

1. A COURSE IN ARTS;
2. A COURSE IN SCIENCE;
3. A COURSE IN LITERATURE.

These lead, respectively, to the degrees of BACHELOR OF ARTS, BACHELOR OF SCIENCE, BACHELOR OF LITERATURE.

MASTERS' degrees in Science, Literature and Arts are conferred on all Bachelors of this or of any reputable College or or University who, not sooner than two years after graduation, pass an examination on some prescribed line of classical, scientific or literary studies, and present a satisfactory thesis.

PROFESSIONAL.

I. The COLLEGE OF AGRICULTURE offers an advanced or University Course, based on the Scientific Course of the Collegiate Department, leading to the degree of BACHELOR OF AGRICULTURE.

II. The COLLEGE OF MECHANIC ARTS offers three advanced or University courses, based on the Scientific Course of the Collegiate Department, which lead to appropriate BACCALAUREATE degrees:

1. A COURSE IN CIVIL ENGINEERING;
2. A COURSE IN MECHANICAL ENGINEERING;
3. A COURSE IN ARCHITECTURE.

The degrees of CIVIL ENGINEER, MECHANICAL ENGINEER and ARCHITECT, will be conferred upon Bachelors of Civil Engineering, Mechanical Engineering and Architecture, respectively, of this or of any reputable College or University, who shall, upon examination to be held not sooner than two years after attaining a first degree, show special proficiency in some branch of professional study, and shall present a satisfactory thesis.

No HONORARY DEGREES are conferred by this University.

The detailed schedules of the courses of study in the various Colleges or departments, will be found under the appropriate titles.

Attention is called to the following

GENERAL STATEMENTS.

1. The University is open free of all charges for instruction, upon equal terms to all persons over fourteen years of age, whether residents of the State or not, who may pass the required scholastic

tests and examinations, except such as may be excluded by the following resolution of the Board of Regents, adopted May 10th, 1876:

"*Resolved,* That in order to encourage preparatory work in the high schools and academies of the state, and co-operation by them with the University, *no applicant shall be admitted to the Collegiate Department, to pursue the studies of any regular class or course, who is entitled to receive, and can actually receive the same instruction, in substance, in the public schools of the school district in which he legally resides.*"

2. The requirements for admission to the Collegiate Department, which is the usual avenue to the advanced courses and colleges, are stated under the head of that department.

3. Applicants for admission to the advanced or University Courses proper, as candidates for degrees, are examined in all the studies of the appropriate courses of the Collegiate Department. The Faculties occasionally exercise the power of waiving the ordinary examinations in the cases of applicants of advanced age who desire instruction in special studies. These applicants must, however, submit to such tests as may be necessary to enable the professors concerned to decide whether they are competent to receive the desired instruction.

4. The University year, beginning on the Tuesday next before the 15th day of September, embraces thirty-eight weeks exclusive of recesses, and is divided into three terms. The first term has thirteen weeks; the second twelve weeks, and the third thirteen weeks.

5. As a general rule each student, in whatever department, has three recitations or lectures a day for five days in the week, besides rhetorical, military and other exercises.

6. The schedules are arranged according to the wants of the regular students. Special students must select (in equivalent amounts) from the studies as thus laid down.

7. Students of any department or college may elect studies of another department, under the direction of the faculties and professors.

8. Elective studies, to count on standing, must, as a general rule, be chosen from corresponding years and terms.

9. Except as otherwise ordered by the Board of Regents, the recitations and exercises of the various colleges or departments are conducted according to consolidated programmes, adopted from time to time by the General Faculty.

10. Students in different courses are united in recitations whenever convenient.

11. The merit of students as regards scholarship, is determined, in the Collegiate Department, by means of recitations and examinations; in the Colleges of the University by means of examinations only. The examinations* are habitually conducted in writing.

I. MATHEMATICS.

PROFESSOR THOMPSON.

The course in Pure Mathematics commences on a basis of common Arithmetic and the Algebra of simple equations, and assigns 120 exercises to the completion of Algebra; 60 exercises to Geometry; 60 exercises to Plane and Spherical Trigonometry; 40 exercises to Analytical Geometry; 120 exercises to Differential and Integral Calculus, and 60 exercises to Modern Geometry, Higher Equations and General Review.

The entrance examinations contemplate a thorough knowledge of the fundamental operations in Arithmetic, Factoring, Common and Decimal Fractions, Compound Numbers, Percentage (including Exchange and Banking), Proportion, Square and Cube Root, with their applications. In Elementary Algebra, candidates will be examined in Notation and Numeration of Algebra, Algebraic Addition, Subtraction, Multiplication and Division, Factoring, Fractions,

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*The examination questions being commonly written on the blackboard after the assembling of the classes, cannot be furnished to applicants, Simple Equations, Radicals and Quadratic Equations. Examinations for advanced standing include, in addition to the above, all the studies passed over by the lower classes.

A prominent feature of the plan adopted in this department is limitation for the sake of thoroughness. It is the design to select only the cardinal principles of a given branch; concentrate attention on these, and treat all else as incidental. The results of this method are very satisfactory. An important principle once clearly understood by an entire class, the applications of it and the problems involving it are often made a matter of recreation. In Algebra, for instance, the problems and equations are regarded as no part of the treatise; other problems and equations being substituted for them.

In Geometry, the principal object desired is to understand thoroughly the logical chain that connects about two hundred geometrical propositions into one argument and one line of unbroken demonstration. The practical application of geometrical principles is fully illustrated by numerous examples.

Trigonometry is taught less by formulas than by concrete examples in Mensuration, Surveying, Navigation, and problems of the celestial sphere. All the Conic Sections are discussed, and ample time is afforded to General Geometry, with a full use of Differential and Integral Calculus.

As a preparation for Astronomy, the Classical and Modern students of the First Class are taught Mechanics twice per week in the second term.

II. ASTRONOMY.

PROFESSOR THOMPSON.

A brief course of lectures on topics of descriptive Astronomy, is given by the Professor to the first or Sophomore class. The text-book used is Olmsted's College Astronomy, and the instruction is conducted strictly on a mathematical basis. These students are expected to become familiar with the simple problems of the sphere involving Spherical Trigonometry, with the use of formulas, and with computations necessary for the calculation of a lunar eclipse.

Those students who elect Astronomy in the Senior year, are expected to read Bessel's method of computing solar eclipses, compute latitude and longitude, and go through with the calculation of a solar eclipse in the most rigorous method. This class is instructed in the practical use of the telescope.

This department is furnished with a limited supply of astronomical apparatus, for experiment and illustration.

IV. CHEMISTRY.

PROFESSOR PECKHAM.

During the first term all students of the Second Class in the COLLEGIATE DEPARTMENT take General Chemistry. The third term the scientific students of the same class are required to take Applied Chemistry; also the students in the Modern Course, if they so elect.

Scientific students of the First Class take Analytical Chemistry three times per week the second term and twice per week the third term. Classical and Modern students electing this subject take it five times per week during either the Junior or Senior years, or students in the Modern Course can elect this subject for the first term Junior year only.

The chemical laboratory is fitted up in the best manner, with apparatus and fixtures of the most approved construction. It is designed to furnish instruction in qualitative analysis to all students in the Scientific Course of the Collegiate Department, and in quantitative analysis and special research to all students of whatever department or college, who may desire or be entitled to such opportunities.

No charges are made for instruction, and only such charges for apparatus and chemicals as will cover actual cost to the institution. The charges for ordinary chemicals and apparatus will not exceed ten dollars per term. All glassware and other apparatus are charged to the student at cost. The glassware that is uninjured is received back at cost; other articles are received back under special regulations, generally at a discount of twenty per cent. The cost of apparatus will vary from two to five dollars per term, according to the care exercised by the student. To cover these expenses, students in Analytical Chemistry are required to deposit at the beginning of each term, with the Professor of Chemistry, the sum of ten dollars, the balance of which, after deducting the charges mentioned, is delivered to the student at the end of the term.

The following statements are made to assist students in selecting their studies with reference to their laboratory work:

Classical students desiring to prepare for the study of Medicine are advised to arrange for taking Analytical Chemistry in the Senior year.

Modern students desiring to prepare for the study of Medicine are advised to select Analytical Chemistry in the Junior year.

Scientific students desiring to prepare for the study of Medicine are advised to take the Scientific Course with Latin, electing French in the I. class Collegiate Department, German in the Junior year, and Analytical Chemistry in the Senior year. If they prefer a course without Latin, they are advised to take French in the first class, Analytical Chemistry in the Junior year, and French in the Senior year.

Students desiring an extended course in Chemistry are advised to take the Scientific Course with German, French in the first class Collegiate Department, electing Analytical Chemistry in either or both the Junior and Senior years.

A special course may be arranged for students preparing for Medicine, consisting of one term of qualitative analysis, followed by a thorough course in Toxicology and the elements of physiological Chemistry, and the preparation of vegetable and animal pharmaceutical products.

Steps have already been taken to secure a large collection of specimen drugs for use in illustrating this branch of study.

The University has also an extensive collection of iron ores and slags, to which additions are constantly being made, for the use of students in the course in Mechanical Engineering. Special instruction is given such students in the analysis of iron ores, iron and steel.

The necessary apparatus for the study of Assaying, as well as the latest works on that subject are supplied to the Laboratory.

Students desiring to pursue Assaying, or any other special branch of Analytical Chemistry are received in the Laboratory as "special students" of the University, on application to the appropriate Faculty.

V. GEOLOGY AND MINERALOGY.

PROFESSOR WINCHELL.

The third class in the Collegiate Department spends the Winter Term on General and Dynamical Geology, recitations occurring five times per week. Dana's Manual is used, the subject matter being enlarged by blackboard diagrams and familiar lectures. Full notes and abstracts of all lectures and explanatory matter presented during the term are required of the class. The fullness and correctness of these notes and the transcribed diagrams exhibit the industry and interest of the students, thus furnishing a basis for the stated examinations.

The Junior class spends the Winter term on Mineralogy and Lithology, meeting five times per week. The aim of this term's work is to make the student familiar with the crystalline forms and outward characters of the common minerals, and by a course in blowpipe analysis to determine qualitatively their composition. After the most important minerals are thus made familiar to the student he is ready to begin the examination and careful study of rocks. The same class continues the study of Historical Geology during the following term. This also requires daily recitations. The chief aim here is to bring out the succession of principal events in the geological history of the earth in a series of recitations and lectures, with special reference to the continent of North America and the State of Minnesota.

The student of the science of Geology in the University is furnished throughout with such aid as can come from a good supply of maps, diagrams, models, and other means of illustration. Use is made of Marcy's Sciopticon with a suit of geological and mineralogical slides. This means of illustration is specially valuable in the departments of Dynamical and Lithological Geology. The collections of the Geological and Natural History Survey of the State, stored by law in the University Museum, and constantly increasing, are in daily use in the class room. The cabinet of minerals has been largely increased during the past year, by purchase and by donation. A series of casts of fossils, purchased of Professor Henry A. Ward, of Rochester, N. Y., are available for use in the study of Historical Geology. The text books used are those of Dana, with Brush's and Elderhorst's in blowpipe Mineralogy.

VI. BOTANY.

PROFESSOR WINCHELL.

The third class in the Collegiate Department begins Botany in the Spring term. The elements of structural and systematic Botany are acquired by the use of a text-book and hand specimens. Each member of the class is required to analyze correctly and name independently forty or fifty species, preserving them in the form of an herbarium. At the final examination, each student submits his herbarium and note book, and must be prepared to name and characterize each species, and name its family relations.

In the College of Agriculture provision is made for a special course in Botany, with reference to the wants of students expecting to pursue farming.

VII. ZOOLOGY.

PROFESSOR WINCHELL.

The course in Zoology is introduced in the Fourth Class in the Collegiate Department. During the Spring term a daily recitation is held in elementary human and comparative Physiology.

Students in the Collegiate Department are required, when in the First Class, to pursue the study of Zoology during the Spring term. The course will consist of a review of the Elements of Zoology with the use of microscope and sciopticon, and illustrations from the Museum.

VIII. PHYSICAL GEOGRAPHY.

PROFESSOR WINCHELL.

During the Winter Term the Fourth Class in the Collegiate Department pursue Physical Geography. This is intended to introduce the student to the natural sciences, and, by a general and broad survey, show him what lies before.

*IX. ENGLISH LANGUAGE AND LITERATURE.**

PROFESSOR MARSTON.

COLLEGIATE DEPARTMENT.

FOURTH CLASS.—The whole class take English Composition daily during the first term. Under this subject are included punctuation, capital letters, the proper forms of papers of various kinds, the grammatical structure of sentences and the more elementary principles of composition.

In the second term students in the Modern Course, and those in the Scientific Course who do not take Latin, are required to take English Grammar and Analysis, or Swinton's Word-Analysis.

THIRD CLASS.—Students who elect English study Higher English Grammar, with practice in the analysis and critical reading of standard English writings.

SECOND CLASS.—Those electing English study Historical English Grammar, the history of the English Language, with critical readings and practice in the use of words and idioms.

FIRST CLASS.—All are required to take Rhetoric the second term.

The first and second terms Anglo-Saxon is required of the students in the Modern Course, and is optional with those in the other courses; and in the third term Early English is read by those in the Scientific Course electing English.

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*To this department is assigned for the present the instruction in Writing and Speaking.

The rhetorical work in the Collegiate Department is given in accordance with the following scheme:

	FIRST TERM.	SECOND TERM.	THIRD TERM.
IV. CLASS.	Writing with Eng. Composition.	Reading. *Saturday afternoons.*	Essays with General History.
III. CLASS.		Essays with Geology.	Vocal Culture. *Sat. afternoons.*
II. CLASS.	Essays with Chemistry.	Declamation. *Saturday afternoons.*	
I. CLASS.	Essays with Logic.	Essays with Rhetoric.	Declamation. *Sat. afternoons.*

UNIVERSITY CLASSES.

JUNIORS (of all departments).—*The History and Principles of Development of English Literature: the Critical Study of the English of Chaucer and Shakespeare; Lectures.*

Essays and original orations (six in all during the year) are required of each member of the class. Each essay or oration is carefully criticised, then rewritten, then, if approved, rehearsed, and finally presented before the students and faculty.

SENIORS.—In the first term, students of the Modern Course, and those in other courses who elect English, continue the study of English Literature, with critical readings and lectures upon authors and periods.

In the third term, lectures upon the Philosophy of Literature and Criticism, on Lyric, Epic and Dramatic Poetry; readings and criticisms.

Essays and orations before the University — five exercises in the year, including Commencement part.

IX. NORTH EUROPEAN LANGUAGES.

GERMAN.

PROFESSOR MOORE.

GERMAN is required of all students of the Modern Course. Those of the Scientific Course are free to commence it at the beginning of the third class, discontinuing the English or Latin previously pursued, subject to the action of the General Faculty. Students of the Classical Course may take the German Grammar in the Junior year with the Third class.

The course is as follows:

First Year (Third Class).

1st Term, Ahn-Henn's Rudiments of German and Whitney's Grammar.
2d Term, Whitney's Grammar and Reader.
3d Term, Whitney's Grammar and Reader completed.

Second Year (Second Class).

1st Term, Lessing's Minna von Barnhelm; translations into German.
2d Term, Schiller's Wilhelm Tell; History of Germany.
3d Term, Goethe's Egmont; History completed.

Third Year (Junior Class).

1st Term, Goethe's Faust, First Part.
2d Term, Lessing's Laocoon.
3d Term, Deutsche Lyrik, and History of German Literature; *Lectures.*

The objects aimed at in the above course of study are: (1) in the earlier stages, by means of oral and written exercises, to teach the student how to express himself with some degree of facility in German, on the topics of every day life; (2) a systematic study of Grammar; (3) a critical reading of some of the masterpieces of German literature, with collateral instruction and research in geography, history, mythology, biography of the authors, &c.

So far as possible, the same "classical" discipline and culture commonly accredited to the ancient languages will be imparted.

SCADINAVIAN LANGUAGES.

SWEDISH AND NORWEGIAN-DANISH are offered as an alternative to all students of the Senior Class. They will be studied chiefly through the medium of the German. The text-books are—

Swedish.

1st Term, Schmidt's Schwedische Sprachlehre.
2d Term, Prose Selections.
3d Term, Tegner's Frithjof's Saga.

Norwegian-Danish.

1st Term, Heckscher's Dænische Grammatik.
2d and 3d Terms, Selections in prose and verse.

XI. FRENCH LANGUAGE AND LITERATURE.

PROFESSOR LAING.

COLLEGIATE DEPARTMENT.

In the FIRST CLASS, French is required of all students in the Modern Course, and is optional to the students of the Classical and Scientific Courses.

1st Term—French Principia, Part I. completed; Part II. begun.

2d Term—French Principia, Part II. completed; Alvergnat's French Pronunciation; Souvestre's "Un Philosophie sous les toits"; Noel and Chapsal's French Grammar begun.

3d Term—French Grammar completed; Erckman-Chatrain's "Conscript de 1813", or "Waterloo", or De Vigny's "Cinq-Mars" Translations from English to French; French Composition.

COLLEGE OF SCIENCE, LITERATURE AND THE ARTS.

French is required of all students of the Modern Course the first and second terms of the SENIOR YEAR, optional to students of the Classical and Scientific Courses for the same terms, and optional to all students the third term.

1st Term—Theatre Classique, History of French Literature, History of France.

2d Term—Durand's "Les Grandes Poetes"; Early French Prose; Brachet's Historical French Grammar.

3d Term—Literature of the age of Louis XIV.; Modern French Literature.

XII. LATIN LANGUAGE AND LITERATURE.

PROFESSOR BROOKS.

COLLEGIATE DEPARTMENT.—The studies of the course are—

FOURTH CLASS—Cæsar, Cicero, Prose Composition.

THIRD CLASS—Cicero, continued; Virgil, and Prose Composition.

SECOND (Freshman) CLASS—Livy, Prose Composition, Roman History.

FIRST (Sophomore) CLASS—Horace, Tacitus, Roman History and Antiquities.

College of Science, Literature and the Arts—Junior Year—Text-books in Phiosophy, Oratory, and Comedy.

The full course in Latin, designated Scientific with Latin, is offered to Scientific students. Latin is required of Modern students to the end of the Second or Freshman Class. Scientific students taking Latin, can take their French when Seniors, if they desire to do so. Applicants for admission to the University who may come from schools and districts where Latin is not taught, and who declare their intention to take the full course in Latin, will be allowed to begin with the Fourth Class.

The "Roman Method" of pronunciation is adopted according to the following scheme:

Vowels.

Sounds of the **long** vowels;

a as in f*a*ther; *e* as in pr*ey*; *i* as in mach*i*ne; *o* as in n*o*; *u* as *oo* in p*oo*l; *y* as the German ü or the *i* as above.

Sounds of the **short** vowels,—same as the above but shortened.

The long and short vowels are identical in quality, differing only in quantity.

Diphthongs.

Give the constituent vowels their proper sound, and pronounce them in their order as rapidly as possible, as—

ai and *ae* like the English adverb *ay* or *aye*; *au* like *ow* in *owl*, or as in German *Haus*; *eu* nearly as in *feud*; *ei* nearly as in *feint*, putting the stress on the last vowel; *oi* nearly as *oy* in *joy*; *oe* as a diphthong; *o-eh*; *ui* like the French oui, nearly like the English *we*.

Consonants.

c always hard, as *k*; *g* always hard, as in *give*; *j* as *y* in *year*; *v* approximate to the English *w*, or a half sound of the English *v*; *r* with a slight trill, as *per* in *perry*; *s* always sharp, as in *this*; *t* always simple, not as *sh*; *x* always as *ks*; *ng*=*ng*+*g* as in *anger* not in *hanger*; *nc*=*ng*+*c*; *nq*=*nq*+*q*; *qu* as in *queen*; *ch* like *k*; *th* as in *thin*; *ph* as *f*.

The other consonants as they are in English.

XIII. GREEK.

PROFESSOR BROOKS.

Greek begins with the Fourth Class. Scientific students may take Greek in place of Latin.

The Course of Study embraces text-books in History, Poetry, Oratory, Comedy, Tragedy, and Philosophy, and Lectures on the Greek Language, Literature, Religion, Philosophy, and Art. Collateral studies are History, Geography, Mythology, Biography, Customs, &c.

PRONUNCIATION.—Greek is pronounced according to the accents, and with the so-called Continental sounds of the vowels and diphthongs.

PRINCIPLES AND METHODS.—A knowledge of grammar and of words proceeds together. In translation, the radical meaning of words is to be learned, but the precise signification in the passage rendered is to be given; the thing to be done in translating an author is to give his exact meaning in the best idiomatic, grammatical English; facts, allusions, tropes, history, chronology, mythology, topography, customs, arts, laws, grammatical forms and elements, etymologies, composition of words, are to be attended to. Translation of English into Greek is based upon the author read. So far as the author himself is concerned, among the things to be noted are, the chief facts of the author's life; the contemporary history and political condition of the country, and the author's relation to them, and the character of the people, and the expression and logical scope of his thought, and the wisdom, &c., of his views.

XIV. MENTAL AND MORAL PHILOSOPHY.

PROFESSOR CAMPBELL.

Ten lectures on practical Ethics are given before the Freshman Class during the second term. Subsequent instruction in this department extends through four terms, beginning with Psychology the third term of the Junior year. The exercises in Psychology occur five times each week, one-half of the hour being occupied with a text-book recitation, and the other with a lecture on the topic in hand. The subject is investigated empirically, and is introduced by the lectures on theoretical Philology, the preceding term, and followed by the study of Philosophy proper. This subject (Ontology) is taken up in a course of lectures occurring five times a week the first term of the Senior year. It is pursued historically, and particular attention is directed to the philosophies of Plato and Aristotle, Kant and Hegel; translation of extracts being required from the Greek or German, as the case may be. The history closes with a discussion of the present condition of Philosophy. The development of Philosophy proper is followed by lectures on Ethics and the Evidences of Revealed Religion, occurring five times each week during the second term of the Senior year. The undergraduate instruction in these subjects closes the third term (Senior) with a course of twelve lectures on Natural Theology. This course of lectures is optional in all cases. The other subjects in this department are required in each of three courses in the College of Science, Literature and the Arts, and optional for the other colleges.

XV. COMPARATIVE PHILOLOGY.

PROFESSOR CAMPBELL.

Properly speaking, the instruction in Comparative Philology is reserved for the post-graduate course. As introductory to such instruction, a course of twenty lectures on Philology (theoretical), commonly called the Science of Language, is given during the first term of the Junior year. These lectures cover the following general subjects: The Philosophy of Grammar; Language as spoken and heard; Language as written and seen; the Laws of Inflection; the Roots; History of Philology; the Literature of Philology.

XVI. HISTORY.

PROFESSOR LAING.

COLLEGIATE DEPARTMENT.

Applicants for admission to the Fourth Class are examined in the History of the United States. A thorough knowledge of so much of the subject as is contained in Swinton's Condensed History of the United States, is required. At the beginning of the scholastic year 1878-'79, and thereafter, the History of Minnesota will also be required.

The following is the scheme of historical studies recently adopted, to be pursued after the beginning of the next University year, 1877-8:

FOURTH CLASS—General History, the third term, five times a week, with essays on historical subjects and occasional lectures.

SECOND CLASS—Mediæval History, the second term, twice a week.

FIRST CLASS—Modern History, the third term, twice a week.

In the Second and First Class the work will consist of lectures and collateral reading.

COLLEGE OF SCIENCE, LITERATURE AND THE ARTS.

JUNIOR CLASS—History of Civilization, the first term, three times a week.

SENIOR CLASS—Option of recent History, consisting of a course of twelve lectures on the more important political events, and the social and scientific progress of the present century.

The Philosophy of History will be discussed in connection with the History of Civilization.

These subjects are open as elective to corresponding classes in the Colleges of Agriculture and Mechanic Arts.

XVII. SOCIAL SCIENCE.

MR. FOLWELL.

Political Economy and National Economy are taught to the Seniors in the Third Term chiefly by conversational lectures. These subjects are required of all students of the College of Science, Literature and the Arts, and are elective for those of other Colleges. The library is well supplied with standard authors on Political and Social Science. The aim of the instructor is to present clearly and fairly the history of the science, and to thoroughly inculcate established principles. On disputed topics the conflicting views are brought out with all possible impartiality.

To this department are attached International Law and Civil Government, including the State and National Constitutions—the former an option with the Senior Classes—twice per week for the Third Term; the latter required in the Scientific and Modern Courses of the Senior Year, four times per week for the Second Term. International Law is in charge of the Professor of History.

The subject of Logic, required of all members of the First Class Collegiate Department, has lately been assigned to this department. The instruction will be given by lectures and recitations, accompanied with extended praxis.

XVIII. ELOCUTION. See "English Language," &c., *supra.*

XIX. PUBLIC HEALTH.

PROFESSOR HEWITT.

A course of lectures on Sanitary Science is offered to the Seniors of all departments the Third Term. The topics embraced are such as: Personal Hygiene, as depending on soils, water, food, clothing, etc.; Public Hygiene, including sewerage and drainage of towns; heating, lighting and ventilation of dwellings and public buildings; epidemic diseases, intemperance, &c.

XX. INDUSTRIAL DRAWING.

Drawing and Descriptive Geometry are required of the Scientific students. of the COLLEGIATE DEPARTMENT, are optional for the Modern students during the entire course, and for the Classical students during the first two years.

THE COURSE IS AS FOLLOWS:

Fourth Class—Smith's Free Hand Drawing is taught during the third term. This work is in the line of the Geometrical and Mechanical Drawing pursued by the higher classes.

Third Class—During the first term the students learn the use of instruments, the principles of Geometrical Drawing, Tinting and Shading, and Elementary Projections.

Second Class—Projection Drawing is continued a part of the second term. The instruction is given by means of models, each student making the necessary measurements. Church's Descriptive Geometry is then taken up. A thorough drill is given in this subject. First, the class is required to draw the problems on the blackboard, and explain them; afterward each student draws the problems more carefully on paper.

First Class—Descriptive Geometry is continued and applied to many practical problems, and to Perspective. Besides the problems in Perspective in the text, the students make original drawings of various objects. All the drawings except the Free Hand Drawing, must be neatly executed with India Ink on Whatman's drawing paper. The "Imperial" size drawing paper is recommended. Each sheet should be divided into four equal parts, trimmed to a uniform size of about ten inches by fourteen inches, and bound in some simple manner.

INSTRUMENTS AND MATERIALS REQUIRED;

It is desirable, for beginners, to secure only a small number of instruments, but these should be of good quality; if more are at any time desired they can be purchased separately. German silver instruments are the best.

The following outfit is recommended for beginners:

One pair of plain Dividers—One pair of Dividers with Pen and Pencil Point—One right line Pen—A Scale—A pair of Triangles—A hard Pencil—Rubber—A piece of India Ink.

These articles of good quality need not cost over $4.

XXI. MILITARY SCIENCE.

PROFESSOR LUNDEEN.

SEC. 26. *And be it further enacted*, That for the purpose of promoting knowledge of military science among the young men of the United States, the President may, upon the application of an established college or university within the United States with sufficient capacity to educate at one time not less than one hundred and fifty male students, detail an officer of the army to act as president, superintendent or professor of such college or university; that the number of officers so detailed shall not exceed twenty at any time, and shall be apportioned through the United States, as nearly as practicable according to population, and shall be governed by general rules to be prescribed from time to time by the President.

In compliance with the foregoing section of an act of Congress approved July 28th, 1866, the President has detailed an officer of the army as Professor of Military Science at this University. The government has also furnished 150 light breech-loading rifle muskets with accoutrements complete, similar to those in use by cadets at the U. S. Military Academy, and a section of artillery, with equipments, for instruction in the school of the piece and battery. Instruction is given in the schools of the soldier, company and battalion; drill, parade, review, and other ceremonies. By action of the Board of Regents, military exercises are required of all male students of the Collegiate Department, and are optional in the other classes. The course of theoretical instruction is optional.

The military exercises will comprise, besides Parades, Reviews, &c., instruction in the following subjects:

Practical Instruction.

1st Term—School of the Soldier, Manual of Arms, School of the Company, Target Practice, and Artillery Drill.

2d Term—Manual of Arms (for new students), Bayonet and Foil exercise, and theoretical instruction in the Duties of Officers and Non-Commissioned Officers.

3d Term—School of the Company and Battalion, and Skirmish Drill.

Theoretical Instruction.

1st Term—Military Engineering.

2d Term—Military History, Strategy, and Grand Tactics.

3d Term—Military Law.

XXII. CIVIL ENGINEERING, MECHANICAL ENGINEERING, ARCHITECTURE.

See COLLEGE OF MECHANIC ARTS.

XXIII. THEORY AND PRACTICE OF AGRICULTURE, VETERINARY SCIENCE, &c.

See COLLEGE OF AGRICULTURE.

EQUIPMENT.

GROUNDS.

The University is situated in the East Division of the city of Minneapolis, about one mile below the Falls of St. Anthony, on an elevated bluff in full view of the same. The grounds are now about twenty-five acres in extent, undulating in surface and well wooded with native trees. The Legislature of 1877 appropriated $18,000 to enlarge the grounds by the purchase of lots abutting disadvantageously, and covering a large part of the frontage of the grounds. The plans for the embellishment of the grounds, made by Messrs. Cleveland and French of Chicago, "landscape architects," will be carried out so fast as the means can be afforded. Meantime, such are the natural advantages of situation and contour, the grounds are very attractive.

The Experimental Farm of the Agricultural College is situated a short distance below, near the east bank of the Mississippi. For description see "College of Agriculture."

BUILDINGS.

The general plan of the buildings contemplates a central academic building, and, grouped around it, additional structures for the separate departments or colleges.

MAIN OR ACADEMIC BUILDING.

This building is 186 feet in length and 90 in breadth exclusive of porches, having three stories above the basement. The walls are of blue limestone and the roofs of tin and slate. The rooms, fifty-three in number, as well as all the corridors, are heated by an efficient steam apparatus, and THOROUGHLY VENTILATED. Water and gas are supplied wherever needed. The Assembly Hall, in the third story, 87x55 feet and 24 feet high, will seat with comfort 700 people, and 1,000 can be accommodated.

THE AGRICULTURAL COLLEGE.

This is the first of the special buildings for the separate colleges. It is of brick on a basement of blue stone, 146x54 feet. The central portion is two stories in height. The south wing, 46x25 feet, is a plant house of double sash and glass. The north wing contains the Chemical Laboratory. There are class rooms for Chemistry and Agriculture, and private laboratories for the professors. In the second story are two large rooms, one for a Museum, the other for a Lecture Hall. For plans see "College of Agriculture."

LABORATORIES.

THE CHEMICAL LABORATORY occupies five rooms in the north wing of the Agricultural College. (1) The main students' laboratory, 22x45 feet. This contains eight tables, accommodating sixty-four workers, in two sections or reliefs. Each table has water, gas, sink, shelving for reagents, drawers and cupboards for apparatus—all of the most approved construction. Between the tables, in the outside walls, are ventilating hoods of an improved form, suggested by the Professor of Chemistry. (2) The recitation room adjoining, provided with lecture table and all appurtenances necessary for effective illustration of lectures on Chemistry and Technology. (3) The apparatus room, provided with tables for storing apparatus, and tables for the balances. (4) The professor's private laboratory, a small room, but one well adapted to the purpose. (5) A room in the basement fitted up for assay and furnace work. All the rooms except the last are on one floor, are well lighted and ventilated, and communicate with each other in a convenient manner. The University is now able to offer ample facilities for successful study and instruction in both General and Analytical Chemistry, and in the allied branches of study. Persons desiring analyses made should address Prof. S. F. Peckham.

THE PHYSICAL LABORATORY.—In the main building, the rooms devoted to the Department of Physics are so arranged and furnished that students desiring to make a specialty of Physics, can have opportunity to use the apparatus, and perform their own experiments. In addition a small room has been set apart for a lathe and work bench. Students are permitted to construct models and apparatus. Excellent specimens have already been produced.

THE MINERALOGICAL LABORATORY.—Tables and apparatus sufficient for the use of twelve workers at a time, have been provided in room 49, main building. Additions will be made as required.

DRAWING ROOMS.

Room 45 in the main building, 47x30 feet, is furnished with stout wooden tables for the use of the classes in Geometrical and Free Hand Drawing. There are also cases and cabinets for holding drawings and drawing boards. A considerable collection of prints, drawings, and models for lessons and illustrations, has been made.

Room 40 is provided with the Worcester Adjustable Drawing Tables of wood and iron for the use of the classes in Descriptive Geometry, Engineering and Architecture.

MUSEUMS.

The General Museum comprises the collections of the Geological and Natural History Survey of the State, augmented by purchases and donations. At present only the zoological specimens belonging to the Museum are on exhibition. They comprise specimens of some of the larger mammals of the Northwest, a set of casts of fossils purchased of Prof. H. A. Ward of Rochester, N. Y., embracing representations of over 350 species and several hundred specimens of recent intervertebrates. These are placed in suitable cases in room 51, which is opened daily for the use of students and visitors. The south room of the Museum, devoted to mineralogical collections, is fitted with cases for the display of the minerals and lithological specimens, which already number several thousands. Among these is a complete suite of the zinc and iron minerals and their associates, from Franklin and Ogdensburg, N. Y., purchased of Mr. Geo. P. King, with many duplicates.

Contributions to the Museum should be sent to Prof. N. H. Winchell, Curator.

The Museum of Agriculture is designed to assist in illustrating the instruction in Agriculture and Horticulture. It is intended to contain models of agricultural implements, seeds of all kinds of grasses, grains and noxious weeds, in jars; grasses and grains, in the straw; drawings and lithographs of machines and animals; fruits preserved in alcohol; fertilizers, and other articles of interest to the farmer. Already considerable progress has been made in collecting and arranging. Further contributions may be sent to Prof. Chas. Y. Lacy.

The Plant House is similar in purpose to the Museum. It is designed to furnish (1) means for illustrating the subject of Botany, viz.: specimens for analysis before the class, and living plants of botanic or economic interest, that cannot be grown in the open air in Minnesota; (2) means for illustrating the subject of Horticulture, viz.: the propagation of plants and the construction, heating and management of plant houses.

MUSEUM OF TECHNOLOGY.—A cabinet of specimens illustrating the products and processes of applied Chemistry, is being collected by the Professor of Chemistry, as opportunity offers. This collection will embrace fuels, ores, furnace products, textile materials, both raw and manufactured; dye-woods and other materials used in dyeing; specimens illustrating the bleaching and printing of cotton, linen and woolen goods; earthenware, pottery, etc. A good beginning has already been made, and it is hoped that large additions will be obtained during the coming year. Contributions are respectfully solicited, for which due credit will be given.

The CLASSICAL MUSEUM, a beginning of which has been made this year, will comprise all *materia* that may illustrate Classical Geography, Topography, Chronology, Mythology, Geography, Archæology, and Art, such as Plans of ancient Cities, Temples, Battle-fields, Camps, &c.; Photographs of Cities, famous Places, Ruins, Statuary, Architecture, &c.; Busts (original and plaster casts); Coins, Medals; specimens (original and plaster casts) of ancient Sculpture, Friezes, Capitals, Columns, &c.; of Vases, &c.; books and plates of Costumes, Military Weapons, Armor, Household and Agricultural affairs, and Naval Illustrations, &c.; Architectural Illustrations, with models of the different Orders of Architecture; ancient Books and Manuscripts; specimens of Inscriptions, and Implements used in Writing, and in the Arts.

Additions will be made to the Museum constantly. Contributions may be sent to Prof. Jabez Brooks, D. D.

The collection of Patent Office models, and the Schrœder models for descriptive Geometry are displayed in substantial cases in rooms 12 and 45 main building.

APPARATUS.

No attempt has been made at display, but great pains have been taken to procure for the various departments the essential instruments and materials for illustration. In addition to articles referred to in previous statements, may be mentioned: a transit, Y level, compass, chains and tape measures, and a full set of fine drawing instruments for the Department of Civil Engineering; a variety of geographical maps,, ancient and modern; globes, charts, geometrical models, stereopticons, etc.

THE LIBRARY.

The number of bound volumes has reached nearly 12,000, and additions are constantly being made. Besides the books purchased of booksellers, the following collections have been acquired:

(1) The Robertson Collection of 1,200 volumes, purchased from Col. D. A. Robertson of St. Paul, formerly a professor in the University. This collection is rich in works on American History, Arctic travel and Discovery, Ethnography and Political Economy.

(2) The Campbell Collection of 2,800 volumes selected by Prof. Campbell in London, Berlin, Florence and other cities of Europe. This embraces many French, German and Italian works. The subjects most numerously represented are Philology, Philosophy and Social Science, general Literature, History and Biography.

(3) The Tappan Collection, comprising 2,500 volumes from the private library of the Rev. H. P. Tappan, D. D., LL. D., ex-President of the University of Michigan. This collection contains choice and valuable editions of standard English authors, numerous works on philosophical subjects, and many reviews and works of reference.

(4) The State Library Collection, being the miscellaneous books, 1,400 in number, of that library turned over to the University by act of the Legislature of 1877.

The miscellaneous purchases have been confined to Encyclopœdias, Dictionaries, Biographical material, and works of first necessity for the various departments of instruction. Among the public documents are to be found sets of the Smithsonian publications, the Coast Survey Reports, the Survey of the Pacific Railroad, Schoolcraft's Indian Tribes, United States Geological Surveys, &c.

The alphabetical lists of authors printed from year to year, serve a good purpose as a catalogue of authors, and furnish the titles for the printed card catalogue. The alphabetical catalogue of subjects has not yet been printed.

The Library and Reading Room occupy rooms 18, 20, 22 and 24 in the first story of the main building. The books are shelved according to a simple classification upon a so-called "elastic system," which allows additions indefinitely without disturbing the existing arrangement and numbering.

The Library is open to everybody, from seven to nine hours, every day of the University year except Sundays and holidays. Students are allowed to borrow books for home reading, to be kept seventeen days; but works marked in the catalogue with a *, comprising books of reference, illustrated works, and rare and costly books, cannot be removed. These works, as well as all others, may be read and consulted during the same hours in the

READING ROOM,

where a number of periodicals are also to be found; among them are the following:

QUARTERLY.

The Journal of Speculative Philosophy, The Edinburgh Review, The North British Review, The London Review, Mind, The North American Review, The International Review. (The last two six times a year.)

MONTHLY.

The American Journal of Science and Arts, The Agriculturist, Appleton's Popular Science Monthly, Blackwood's Magazine, The Eclectic Magazine, Van Nostrand's Engineering Magazine, The Contemporary Magazine, Appleton's Art Journal.

WEEKLY.

Littell's Living Age, The Nation, The New York Tribune, The Nordisk Folkeblad, The Farmers' Union, The Prairie Farmer, Ueber Land und Meer, Harper's Weekly, Official Gazette, U. S. Patent Office.

SEMI-WEEKLY.

New York Evening Post.

DAILY.

Minneapolis Evening Tribune, St. Paul Pioneer-Press, War Department Weather Map, &c.

The rules and regulations of the Library, as prescribed by the Board of Regents, may be found on pp. 66–8 of the Calendar for 1875–6.

GENERAL INFORMATION.

ACCESS.

The University of Minnesota is accessible by means of all conveyances centering in the cities of Minneapolis and St. Paul.

The main entrance to the grounds is at the corner of Third Street (or University Aveuue) and 14th Avenue Southeast. The eastern terminus of street railways is one block distant; fare 5 cents.

HOW TO ENTER THE UNIVERSITY.

1. Apply personally or by mail to the president for a blank "application," and have it properly filled up, dated and signed.

2. Previous to the hour appointed for examinations, present your application at the president's office, and receive a numbered examination ticket. By this number alone will you be known to the examining professors.

3. Report promptly for examinations at the time and place announced, and attend the sessions punctually, observing such directions as may be given.

4. At an appointed hour after the close of the examinations, the successful numbers will be announced.

5. The successful applicants, having selected their courses of study, and paid the annual fee of five dollars for incidental expenses, receive a registration card, which admits them to the classes.

BOARDING.

THE UNIVERSITY HAS NO DORMITORIES, except for a few employes. This is a matter both of necessity and policy; of necessity, because the State has not been able to furnish money to build dormitories; of policy, because it is thought better for the students to be distributed among the people of the University city, amenable to the common laws and sentiments of society. The public bounty stops at furnishing free instruction, leaving to private hands the providing of maintenance.

Three methods of boarding are practiced: (1) Self boarding, by individuals, or, more commonly, by small groups or colonies composed of members of the same family, or of neighboring families. Rooms are hired, and furniture, provisions and fuel brought from home. When well managed, this is an excellent and very economical mode of living. Two dollars a week per pupil may be set down as the cost. (2) Club boarding. This has been practiced for several years, and is well organized. The gentlemen's club occupy the two buildings erected by Governor Pillsbury, on Fourth street, between 13th and 14th avenues. The rooms, 16 in number, large and well lighted, are rented for a sum sufficient to pay repairs and taxes. The occupants organize and operate the boarding club. The price of board has never exceeded $2.50 per week. A respectable family reside in one of the buildings, and the proprieties of civilized life are therefore observed. (5) Boarding in families. The difficulties formerly encountered in procuring suitable places for students desiring to board in families, have disappeared. Good board can be found at reasonable prices ranging from $3.50 upwards. A list of families willing to receive student boarders, is posted on the bulletin board at the beginning of the year; also one of "rooms to let."

EMPLOYMENT.

THE UNIVERSITY CAN NOT PROMISE EMPLOYMENT to all who desire to earn their living. The few places it can offer are always in the hands of old students. New comers cannot expect to get them. The following advice deduced from the observations of several years, is offered to young persons of limited means who want an "education":

(1) If possible, learn a good trade or art before coming to the University. Your chances for work will be greatly increased, and you can get better wages. (2) Bring some money,—fifty dollars at least,—on which to live until you find work. (3) If you want work you must look for it. It will not come to you at first. Be active, resolute and enterprising. (4) If you have to "pay your way" through college, resolve to take time enough to do it well without ruining your health. It is not essential that you be graduated with any particular class.

The following are some of the employments or capacities in which students have been engaged:

(1) Teaching in city and country schools, and in Teachers' Institutes.
(2) Teaching private pupils and classes in general studies.
(3) Teaching specialties, such as Music, French, Drawing, &c.
(4) Land, Government and Railroad Surveying.
(5) Map Drawing and Copying.
(6) Care of Churches and Public School buildings.
(7) Market Gardening.
(8) General "chores" at private houses.
(9) Work on Experimental Farm.
(10) House Painting, Wood Turning, Paper Hanging, Carpentry, Type-setting, Taxidermy, Tuning Pianos.
(11) Salesmen, Book Agents, Choristers, Newspaper Carriers.
(12) Janitors, Librarians, Laboratory Assistants, Clerks, Bell Ringers, Firemen, Sweepers, Teamsters, &c.

EXPENSES.

These depend largely upon the tastes and habits of individuals. The following statement is founded upon statistics furnished confidentially by a considerable number of the older and more experienced students of the present year, under the heads of Board, Washing, Fuel, Light, Books and Stationery, Literary Society, Travel, Clothing, Miscellaneous.

The average necessary expenses of students boarding in families, appear to be $345; those of students boarding in clubs and otherwise, $179.

INSTRUCTION IS FREE IN ALL DEPARTMENTS. The only University charge is the annual fee of $5.00 for incidental expenses. This fee must be paid before the student can join his classes, and no deductions are made for absence or late entrance.

Students provide their own books and stationery. The literary society expenses are small.

DAILY ROUTINE.

The morning session opens with the assembly, not earlier than 8 o'clock, and closes not later than 1 P. M. Brief and simple devotional exercises are held at the assembly, and one or more rhetorical exercises are performed by members of the upper classes.

The forenoon of each week day except Monday, is occupied with recitations and lectures. In the afternoon take place the military exercises and rhetorical exercises, work in the laboratories, on the farm and in the plant house, field work in surveying and engineering, and so much of the drawing as can not be done in the forenoon.

DISCIPLINE.

Students of the various Departments or Colleges are amenable to their respective Faculties.

The University presumes that every member intends to do his duty and to behave himself decently. Good order, courtesy, punctuality and attentiveness, are established customs of the University, which the student body take pride in maintaining. The few cases of misdemeanor which occur are dealt with individually by the Faculties.

STUDENT SOCIETIES.

Besides the STUDENTS' CHRISTIAN ASSOCIATION, the following literary societies, recognized by the General Faculty, furnish excellent and much prized opportunity for practice in extemporaneous speaking and parliamentary procedure:

The DELTA SIGMA SOCIETY;

The HERMEAN SOCIETY:

The EUPHRONEAN SOCIETY.

The orator of the united literary societies for the year 1876–7 is Simon P. Starritt, B. A.

ALUMNI ASSOCIATION.

This association was organized in 1875. All graduates of the existing colleges of the University are members; the members of the Board of Regents and of the General Faculty are honorary members. There are the usual officers charged with the customary duties. An Executive Committee conducts business not otherwise provided for. The annual meeting is on the day preceding Commencement.

The officers for 1876–'7 are—

JOHN C. HUTCHINSON, B.A. President;

EUGENE A. HENDRICKSON, B.S., Vice President;

MARTHA A. BUTLER, B.S., Secretary and Treasurer.

THE GEOLOGICAL AND NATURAL HISTORY SURVEY.

The University is charged by law with the work of the Geological and Natural History Survey of the State, under the direction of the Board of Regents. This survey has now been in operation five years, but has been confined principally to the geological portion of the work. The professors of the University are selected by the regents for carrying on the various branches of the survey, and the General Museum is the repository and place of exhibition of the collections made during its progress.

The law creating this survey is comprehensive. It embraces not only a strictly geological survey, including a complete account of the rocks and minerals of the State, and their chemical analysis, but also a natural history survey, comprising an examination of all species of trees, shrubs, herbs, grasses, native or naturalized, and a complete account of the animal kingdom, as represented in the State, including all mammalia, fishes, reptiles, birds and insects. It also orders the tabulation of meteorological statistics, and an investigation of the climatic peculiarities of Minnesota. It orders the collection of topographical and hypsometrical data, and the compilation of an accurate map, which, with the approval of the Governor, is to be the official map of the State. The law also requires an exhibition made during the progress of the survey, in the buildings of the University, for public inspection, free of cost, in well-warmed and furnished rooms. The regents make annual reports of progress, and, on the completion of any portion of the work, a final report thereof is to be made to the Governor.

THE COLLEGIATE DEPARTMENT.

THE COLLEGIATE DEPARTMENT.

THE FACULTY.

This Department is under the immediate control of the General Faculty of the University.

STUDENTS,—1876-7.

FIRST CLASS.

CLASSICAL COURSE.

Messrs. Collom, Foster, F. H., Goodnow, McKean, Rhames, Rickert, Rockwood, Thompson, G. B., West.

Miss Elliot.

SCIENTIFIC COURSE.

Messrs. Alexander, Barrett, W., Buswell, Butts, Byrnes, Carville, Dawley, Gage, Greer, Howe, Partridge, G. H., Rose.

Misses Burnes, C. A., Burnes, D., Champlin, Hayes, C. A., Hayes, N., Linton, L. A,, Thompson, E.

MODERN COURSE.

Messrs. Hildreth, Keysor.

Misses Roe, Rollit,C.,Shoppe, West, Wilcox,H.J.,Wilcox,M.E.

SECOND CLASS.

CLASSICAL COURSE.

Messrs. Brooks, A. P., Bryant, J. F., Bryant, W. C., Rankin, Williams, W. W.

Misses Knox, Norton.

SCIENTIFIC COURSE.

Messrs. Berry, F. C., Berry, F. G., Clark, Currie, W. A., Greeley, Jennison, McComb, Smith, G. W., Smith, H. P., Tomlinson, Witschi.

Misses Reynolds, Thompson, E. R., Todd, Town.

MODERN COURSE.

Messrs. Holt, Horton.

Misses Coolbaugh, Cooney, House, Kirkwood, E. A., Lawrence, Pierson.

THIRD CLASS.

CLASSICAL COURSE.

Messrs. Anderson, Baldwin, Brooks, D. D., Cobb, H. R., Cochrane, Gould, Hall, A. H., Harriman, Hauser, Huy, Keating, Kent, Lilly, Morris, Thos., Partridge, E., Rowley, Salls, Snyder, F. B.

Miss Hughes, M. F.

SCIENTIFIC COURSE.

Messrs. Broughton, Cooney, Fischer, Foster, H. W , Foster, R. O., Garver, Grimes, G. S., Hall, P. M., Hern, Herrick, Hinds, Hinton,* Johnson. A., Juni, Locke, D. A., Locke, S. A., Parker, Pemberton, Russell, Snyder, F. C., Stanton, Wellman.

Misses Leonard, Williams.

MODERN COURSE.

Messrs. Anson, Coe, Farmer, Grimes. C. M.. Quackenbush, True, Wilcox.

Misses Brooks, Cloud, Crafts, Dearborn, Grimes, Hanscome, Johnson, Kirkwood, L. A., Kreis, Lewis, McMillan, Maes, E., Parke, Russell, Sweat.

FOURTH CLASS.

CLASSICAL COURSE.

Messrs. Aiton. Doten, Fleming, Ham, Lawson, Lewis, G. W., Nunn, Payne, Stone, Tolman, Williams, A. K., Wilson.

SCIENTIFIC COURSE.

Messrs. Backus, Barnard, Barrett, Wm. J., Berry, S. D., Bray, Brown, W. A., Cook, Davison, Foster, S. A., Goodman, Graham, Heath, Hendrickson, E. W., Hernlund, Johnson, R. H., Kuhlman, Lincoln, Linton, Lyon, F. L., Manchester, Pauly, Pettijohn, Reed, Shillock, Smith, D. L., Thompson, A. D., Tupper, Washburn, Whitney, Wood, Young.

MODERN COURSE.

Messrs. Allen, Hausener, Healy, F., Healy, P. J., Lang, H. D., Lang, W. A., Lind, Reynolds.

Misses Allen, Carrothers, Connor, Dawley, Ensign, J. M., Ensign, M. P., Eustis, E., Eustis, N., Florer, Gutterson, Hall, Haven, Hendrickson, Hoyt, Hughes, M. N., Kiefer, Kilbourne, Linton, S. V., Merrill, Scofield, Slocum, Smith.

SPECIAL STUDENTS.

Messrs. Baker, A. K., Baker, H. E., Beede, Bowman, Bodeen, Brackett, Brewis, Cobb, J. W., Douglass, Eastman, Eddy, Farrell, Fitzpatrick, Gibson, Gunderson, Hall, J. B., Heywood, Johnson, E. C., Johnson, J. F., Johnson, W. C., Kelley, Lampman, Lewis, F. B., Lum, Lyon, H. R., McCarthy, McDonnell, Manderfeld, Morris, H. G., Naeseth, Norton, H. C., Porter, Preston, Richards, Savidge, W. H., Scott, Thompson, E. R., Van Cleve, Webb, Worley.

Misses Barrett, Bayliss, Bradley, Brown, C. I., Brown, S. J., Campbell, M. A., Chamberlain, Childs, Currie, Goodrich, Harper, Harrison, Kerr, Lennon, Powell, Rand, Rockwood, Secombe, Whitney.

OBJECT.

The object of this Department is to furnish such discipline and information as will fit the student to pursue the higher academical studies of the COLLEGE OF SCIENCE, LITERATURE AND THE ARTS, or to enter upon the professional courses now offered in the COLLEGES OF AGRICULTURE and MECHANIC ARTS, and hereafter to be offered in colleges not yet opened.

ADMISSION.

Intending applicants are advised to examine the schedules of the Courses of Study with great care, and to decide which courses they will respectively pursue. There can be no changes from course to course, except as allowed by vote of the Faculty.

Candidates are requested to send their applications to the President as early as September 1st.

The REGULAR ENTRANCE EXAMINATIONS begin on the second day of each University year. Examinations for entrance are commonly held by appointment, at the beginning of the second and third terms, and in Commencement week. Candidates not presenting themselves at these times, apply in writing to the General Faculty for permission to be privately examined, stating satisfactory reasons for not attending at the stated examinations.

I.

ALL APPLICANTS for admission to this Department are examined in the following elementary studies:

READING, WRITING, SPELLING;
ENGLISH GRAMMAR (including ANALYSIS);
ARITHMETIC AND ELEMENTARY ALGEBRA;
GEOGRAPHY AND UNITED STATES HISTORY.*

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*At the beginning of the year 1878-9, and thereafter, the History of Minnesota will be required as a special topic of U. S. History.

Those intending to pursue the Latin language are also examined in the Latin Grammar, Reader and Composition (Part I.) Applicants who pass the above examinations satisfactorily, are admitted to the Fourth Class.

II.

Applicants for admission to the THIRD CLASS of the Collegiate Department will please refer to the tabulated courses of study for the Fourth Class, and note the studies of the particular course to be chosen. Upon these they will be examined for admission to the Third Class.

III.

Although the same general principle applies, it is thought best to state in detail the requirements for admission to

THE SECOND, OR FRESHMAN CLASS.

1. ALL APPLICANTS are examined in the elementary studies given above; also in English Composition and Rhetoric (Gilmore's or equivalent); Algebra complete *to* the General Theory of Equations; Outlines of General History (Swinton's or equivalent); Plane Geometry and Elements of Geology.

Those intending to pursue the Latin language, are examined in the Latin Grammar and Reader, and in the First Part of Composition.

2. Examinations additional to the above are required according to the course of study which the applicants may respectively choose, as follows:

(1) For the CLASSICAL COURSE, in

Cæsar's Commentaries (3 books); Cicero (4 orations);
Virgil's Æneid (4 books);
Greek Grammar and Reader, Xenophon's Anabasis (3 books);
History, Geography, etc., of the authors named;
Also in Botany (Gray).

(2) For the SCIENTIFIC COURSE, in

Physical Geography, Natural Philosophy, Physiology, Botany, Free Hand Drawing, Geometrical Drawing, Elementary Astronomy (the last optional), also in English History, Study of Words (Swinton's or equivalent), Higher English Grammar and Analysis (Fowler or Latham).

In place of these studies in English, applicants may pass in the Latin (or Greek) required for the Classical Course.

In place of the Higher English Grammar and Analysis, the German required for the Modern Course, as given below, may be offered.

(3) For the MODERN COURSE, in

German Grammar and Reader, and Schiller's Wilhelm Tell (or equivalent), English History, Study of Words, Physiology; also in the same Latin (or Greek) required for the Classical Course; but applicants may in lieu thereof offer the Scientific studies of the Scientific Course in their order.

Arranged according to subjects, the requirements for admission to the Second or FRESHMAN CLASS, stand as follows:

1. MATHEMATICS—Arithmetic complete; Algebra complete, except the General Theory of Equations; Plane Geometry.
2. NATURAL AND PHYSICAL SCIENCES—(1) Required in all courses—Geography and Elements of Geology. (2) Required in addition:
   For the Scientific Course—Physical Geography, Natural Philosophy, Physiology, Physics (sound and heat), Botany and Elementary Astronomy (the last optional);
   For the Classical Course—Botany;
   For the Modern Course—Physiology.
3. DRAWING—Free Hand Drawing, Geometrical Drawing; required in Scientific Course, optional in others.
4. HISTORY—History of the United States, and Outlines of General History for all courses.
5. RHETORICALS—For all courses,—Reading or recitation for the oral part; for the written part, applicants write a short theme or narrative on a subject assigned at the time.

6. LANGUAGES.

(1) *English*—a. For all courses—Reading, Writing, Spelling, English Grammar, including Analysis, Composition and Rhetoric. b. Required in addition:

For the Modern Course—English History, Study of Words, Higher English Grammar and Analysis.

For the Scientific Course, (when no other language than English is taken) English History, Study of Words, Higher English Grammar and Analysis.

(2) *German*—Grammar and Reader, Schiller's Wilhelm Tell (or equivalent). Required for Modern Course; an alternative for the Scientific.

(3) *Latin*—Grammar, Reader and Composition; Cæsar's Commentaries, 3 books; Cicero, 4 orations; Virgil's Æneid, 4 books, with history and Geography of the authors. Required for Classical Course only; an alternative for the others.

(4) *Greek*—Grammar, Reader and Composition; Xenophon's Anabasis, 3 books, with the history and geography of the author. Required for the Classical Course only; optional for the Scientific.

Candidates may find it convenient to refer to the tabulated Courses of Study for the Third and Fourth Classes, as given hereafter.

Applicants for the First or Sophomore Class will be further examined in the studies of the chosen courses in the Second Class.

COURSES OF STUDY.

There are three courses of study: the Classical, the Scientific, and the Modern. Each student completing a course receives a Final Certificate, which admits him to any appropriate college of the University, at the beginning of the Junior Year.

The following schedules do not include rhetorical, military, and other exercises, which are held according to appointment from time to time. Special students are NOT exempt from these exercises.

FOURTH CLASS—(First Year).

TERM.	Classical Course.	Scientific Course.	Modern Course.
I.	1. Greek Grammar (*begun*)	1. Natural Philosophy.	1. English History.
	2. English Composition.	2. English Composition.	2. English Composition.
	3. Cæsar,—*Gallic War.*	3. English History or Cæsar,—*Gallic War.*	3. Cæsar,—*Gallic War.*
II.	1. Greek Grammar and Reader (*continued*).	1. Physical Geography.	1. Study of Words.
	2. Geometry (*begun*).	2 Geometry (*begun*).	2. Geometry (*begun*).
	3. Cæsar (*continued*).	3. Study of Words, or Cæsar (*continued*).	3. Cæsar (*continued*).
III.	1. Greek Grammar and Reader (*continued*).	1. Physiology.	1. Physiology.
	2. General History.	2. General History.	2. General History.
	3. Cicero,—*Orations.*	3. Elementary Astronomy or Cicero,—*Orations.*	3. Cicero,—*Orations.*
	4. Drawing,—*Free Hand.* (*Optional*).	4. Drawing,—*Free Hand.*	4. Drawing,—*Free Hand.* (*Optional*).

THIRD CLASS—(Second Year.)

TERM.	Classical Course.	Scientific Course.	Modern Course.
I.	1. Xenophon,—*Anabasis.*	1. Drawing (10 hours).	1. German (*begun*).
	2. Algebra.	2. Algebra.	2. Algebra.
	3. Cicero,—*Orations.* Drawing (5 hours). (*Optional*).	3. English,—*Hgr. Gram.*, or German (*begun*), or Cicero,—*Orations.*	3. Cicero,—*Orations.* Drawing (5 hours). (*Optional*).
II.	1. Xenophon,—*Anabasis.*	1. Physics,—*Sound and Heat.*	1. German (*continued*).
	2. Geology,—*Elements.*	2. Geology,—*Elements.*	2. Geology,—*Elements.*
	3. Virgil,—*Æneid.*	3. English (*continued*) or German, *Grammar*, or Virgil,—*Æneid.*	3. Virgil.—*Æneid.*
III.	1. Botany,—*Elements.*	1. Botany,—*Elements.*	1. German,—*Selections.*
	2. Higher Algebra.	2. Higher Algebra.	2 Higher Algebra.
	3. Virgil,—*Æneid.*	3. English, (*continued*) or Virgil,—*Æneid*, or German,—*Selections.*	3. Virgil,—*Æneid*, or Botany,—*Elements.*

SECOND CLASS—(THIRD YEAR.)

TERM.	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
I.	1. Greek,—*Homer.*	1. General Chemistry.	1. German,—*Lessing.*
	2 Solid Geometry and Trigonometry.	2. Solid Geometry and Trigonometry.	2. Solid Geometry and Trigonometry.
	3. General Chemistry.	3. English,—*Hist. Gram.* or German,—*Lessing.*	3. General Chemistry.
II.	1. Greek,—*Homer.*	1. Draughting. (10 hours.)	1. German,—*Schiller,*
	2. Analytic Geometry. (3) History,—*Mediæval.* (2)	2. Analytic Geometry. (3) History,—*Mediæval.* (2)	2. Anayltic Geometry. (3) History,—*Mediæval.* (2)
	3. Latin,—*Livy.*	3. English,—*Readings,* or German,—*Schiller,* or Latin,—*Livy.*	3. Latin,—*Livy.*
III.	1. Greek,—*Selections.*	1. Applied Chemistry.	1. German,—*Goethe.*
	2. Physics,—*Light and Electricity.*	2. Physics,—*Light and Electricity.*	2. Physics,—*Light and Electricity.*
	3. Latin,—*Livy.*	3. English (*continued*) or German,—*Goethe,* or Latin,—*Livy.*	3. Latin,—*Livy.*
	4. Surveying. (2 hours.) (*Optional.*)	4. Surveying. (2 hours.)	4. Surveying (2 hours). (*Optional*)

FIRST CLASS—(FOURTH YEAR.)

TERM.	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
I.	1. Latin,—*Horace.*	1. Physics,—*Mechanical.*	1. French (*begun*).
	2. Logic.	2. Logic.	2. Logic.
	3. English,—*Anglo-Saxon,* or French (*begun*).	3. English,—*Anglo-Saxon,* French (*begun*), or Latin,—*Horace.*	3. English,—*Anglo-Saxon.*
II.	1. Greek,—*Oratory.*	1. Descriptive Geometry.	1. French (*continued*).
	2. Rhetoric.	2. Rhetoric.	2. Rhetoric.
	3. English,—*Anglo-Saxon,* or French (*continued*).	3. English,—*Anglo-Saxon,* or French (*continued*).	3. English,—*Anglo-Saxon.*
	4. Mechanics. (2)	4. Analytical Chemistry. (6)	4. Mechanics. (2)
III.	1. Greek,—*One Tragedy*	1. Zoology,—*Elements.*	1. French,—*Selections.*
	2. Astronomy,—*Desc.* (3) History,—*Modern.* (1)	2. Astronomy,—*Desc.* (3) History,—*Modern.* (2)	2. Astronomy,—*Desc.* (3) History,—*Modern.* (2)
	3. Latin,—*Horace.*	3. English,—*Early Eng.* or French,—*Selections,* or Latin,—*Horace.*	3. Zoology.
		4. Analytical Chemistry. (4)	

1. The statements of the professors under the head of "Instruction," on pages 34 to 48, should be carefully read by the student.

2. For the scheme of rhetorical exercises now in force, see page 40; for that of the military exercises, see page 56.

3. The members of the Second Class are required to attend a course of ten lectures on Practical Ethics, delivered by the Professor of Mental and Moral Philosophy, during the Second Term.

4. The members of the Fourth Class, and all students lately admitted, are required to attend a short course of lectures on the use of the library, and the relations of students to the University, delivered by the president during the First Term.

5. Scientific students can take but one language study at a time. This may be English, German followed by French, Latin or Greek. They make their selections upon admission, and can not change, except as allowed by vote of the General Faculty. Scientific students, therefore, desiring to take up German at the beginning of the second year, or French at the beginning of the fourth year, must apply for leave so to do.

6. Modern students are at liberty to select, upon admission, the scientific studies of the Scientific Course, in their order, in lieu of the course in Latin.

7. Modern students are free to choose between Latin and Botany, in the third term of the second year.

EXAMINATIONS.

Examinations are held in every study at the close of each term. The marks for these are combined with the daily marks for recitations in such a way as to throw increasing relative weight upon the examinations as the student proceeds from year to year in his course. In order to be "passed" in any study or exercise, the student must obtain sixty-five per cent. of the available marks.

All examinations are conducted in writing, but any professor or instructor may add such oral questions as he may deem proper.

At the end of each year a general average is made by dividing the sum of all per cents gained by the number of studies and exercises. Students whose average falls below sixty-five per cent. cannot be advanced in rank with their classes. Absentees from examinations apply in writing to the General Faculty for excuse; if excuse is granted, they are entitled to individual examinations equivalent to those undergone by their classes.

Students failing to pass in any study at the close of a term, are liable to be cited for re-examination at any time thereafter, either by the professor or the

Faculty. And students remaining "conditioned" at the end of the year, are examined at the beginning of the next university year, at such times and places as may be announced on the morning of the second day. Conditioned students failing to attend such examinations, must render satisfactory reasons in writing to the General Faculty, before joining their classes.

Students desiring to be examined in studies of classes above them, apply in writing to the General Faculty. Leave being granted, they attend, if practicable, the examinations of the advanced class, or, if not, undergo examinations equivalent thereto.

Students who may have been absent from recitations for a part or the whole of a term, for sufficient reasons, are entitled to individual examinations adapted to fully test their proficiency, and, if successful, are "passed" thereupon.

These rules apply to special as well as to regular students.

REGULATIONS.

The following regulations of the General Faculty, are observed by the students of the Collegiate Department:

Students pledge themselves in their applications to be regular and punctual in attendance upon all proper duties and exercises.

All students of this department are required to attend the morning assembly. Absentees file their excuses stating reasons with the president.

Absentees from recitations or exercises present their excuses in writing to the professor in charge, and file the same, with the professor's endorsement, in the president's office.

Students who have been unable to prepare for a recitation or exercise, present excuses in writing to the professor in charge, on entering the room.

Each student, whether regular or special, must have, as a general rule, three recitations a day (15 per week), besides rhetorical, military, and other exercises. The faculty, upon application in writing, may, in their discretion, excuse a student from one or two studies, or may allow an additional study or exercise.

No change of course of study is allowed, except by vote of the General Faculty, to whom application must be made in writing. Applications for a change of course. to drop a study, to take an extra study, and the like, are not entertained after the close of the second week of any term.

Unexcused absences, unexcused failures to prepare lessons, and misdemeanors are recorded, and demerit marks are charged. When a student has accumulated 25 such marks he receives a warning in private; when 50, notice is given to his parent or guardian; at 75, a public warning is given; at 100, the student stands suspended.

THE COLLEGE OF
Science, Literature and the Arts.

THE COLLEGE OF SCIENCE, LITERATURE AND THE ARTS.

THE FACULTY.

Professors CAMPBELL, PECKHAM,
THOMPSON, MOORE,
BROOKS, MARSTON,
WINCHELL, LAING,
The President.

STUDENTS, 1876-7.

GRADUATE.

Mr. W. E. LEONARD, *Miss* M. A. BUTLER.

SENIOR YEAR.

CLASSICAL COURSE.

Messrs. CAMPBELL, CHILDS, E. A. CURRIE, FRANK EUSTIS, FRED EUSTIS, MAHONEY, PERKINS, C. W. SAVIDGE, WELLES.

SCIENTIFIC COURSE.

Messrs. A. P. HENDRICKSON, KASSUBE, PRIBBLE, H. J. SMITH.

MODERN COURSE.

Mr. BASSETT.
Misses M. J. CAMPBELL, FULLER, HUTCHINSON, C. A. ROLLIT.

JUNIOR YEAR.

Classical Course.

Messrs. J. C. Bryant, J. H. Lewis, Newton, Prichard, Willes, D. Williams.

Scientific Course.

Messrs. Couillard, Howell, Nix, Warren.

Misses Getchell, Robinson.

Modern Course.

Mr. G. A. Wood. *Miss* M. A. Maes.

ADMISSION.

Applicants who have completed courses of study in the Collegiate Department, are entitled to admission to the corresponding courses of this college. Other applicants, if candidates for graduation, must pass equivalent examinations. Persons desiring to pursue special studies in this college, apply in writing to the Faculty, and submit to such tests as the Faculty or the professors concerned require.

OBJECT.

This college is intended to furnish higher courses of LIBERAL studies leading to the customary academical degrees. Much of the instruction is given by lectures, and in general the methods and discipline are those proper to University students.

COURSES OF STUDY.

There are three regular under-graduate courses, as given below. They are arranged according to the following principles:

1. The leading study of each course is characteristic.

2. There are in general in each course 15 hours per week of recitations and lectures, besides rhetorical and other exercises, not shown in the schedules.

There are 10 hours per week of prescribed work, and at least 5 of optional or elective work.

4. The elective studies of any course are commonly the required studies of the other courses.

JUNIOR YEAR.

TERM.	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
I.	1. Greek,—*Philosophy.*	1. Calculus (*begun*).	1. German,—*Goethe.*
	2. Comparative Philology(2 History of Civilization (3	2. Comparative Philology(2 History of Civilization(3	2. Comparative Philology(2 History of Civilization(3
	3. Calculus (*begun*), or German,—*Goethe*, or Analytical Chemistry.	3. German,—*Goethe*, or Analytical Chemistry, or Military Engineering.	3. Calculus (*begun*), or Analytical Chemistry.
II.	1. Latin,—*Philosophy.*	1. Mineralogy.	1. German,—*Lessing.*
	2. English Literature.	2. English Literature.	2. English Literature.
	3. German,—*Lessing*, or Calculus (*continued*).	3. Latin,—*Philosophy*, or German,—*Lessing*, or Calculus (*continued*), or Military History, &c.	3. Latin,—*Philosophy*, Mineralogy. or Calculus (*continued*).
III.	1. Latin,—*Oratory* and *Comedy.*	1. Geology.	1. German,—*Literature.*
	2. Psychology.	2. Psychology.	2. Psychology.
	3. Geology, or German,—*Literature*, or Theory of Equations.	3. Latin,—*Oratory, &c.* or German,—*Literature*, or Theory of Equations, or Analytical Chemistry, or Military Law, &c.	3. Geology, or Latin,—*Oratory, &c. or* Theory of Equations.

SENIOR YEAR.

TERM.	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
I.	1. Greek,—*Lectures.*	1. Practical Astronomy.	1. French.
	2. History of Philosophy.	2. History of Philosophy.	2. History of Philosophy.
	3. Practical Astronomy, or English,—*Criticism*, or French, or Scandinavian Languages.	3. English,—*Criticism*, or French, or Scandinavian Languages, or Analytical Chemistry.	3. Practical Astronomy, or English.—*Criticism*, or Scandinavian Languages.
II.	1. Greek,—*Selections.*	1. Civil Government (4), & Correlation of Sciences(1)	1. Civil Government (4), & Correlation of Sciences(1)
	2. Ethics.	2. Ethics.	2. Ethics.
	3. Civil Government (4), & Correlation of Sciences(1) or French, or Scandinavian Languages.	3. French, or Analytical Chemistry, or Scandinavian Languages.	3. French, or Scandinavian Languages.
III.	1. Political Economy.	1. Political Economy.	1. Political Economy.
	2. English Literature (3).	2. English Literature (3).	2. English Literature (3).

In addition to the above studies, each member of the class is required to *elect* from the following list, work amounting to seven hours per week:

International Law (2), Fine Arts (1), Sanitary Science (1), Natural Theology (2), Ancient Languages (2), Modern Languages (5), Analytical Chemistry (3), Anthropology (1), Recent History (1). The instruction closes with the eleventh week of the term.

1. When not otherwise indicated by an appended figure, the studies and exercises named in the tables occur five times in the week.

2. For rhetorical exercises see page 40.

3. Military Science, although appearing in the table as an alternate third study for the Scientific Course in the Junior Year, may also be taken (as an alternative) by students in the Classical and Modern courses.

3. Analytical Chemistry may likewise be pursued by students in the Classical and Modern courses, for one year only; and such students may elect between the Junior and Senior years.

4. Students of the Classical and Scientific courses who begin German in the Junior Year, are at liberty to continue it as an alternative during the Senior year.

5. Classical and Scientific students who have not previously had French, can take it in the Senior Year.

GRADUATION.

Students completing courses of study to the satisfaction of the Faculty of the college, are entitled respectively to receive the appropriate baccalaureate degrees, to wit: Bachelor of Arts, Bachelor of Science, Bachelor of Literature.

For Masters' degrees see page 31.

Any person may undergo examination in any subject; and if such person pass in all the studies and exercises of a course, he is entitled to the appropriate degree.

EXAMINATIONS.

The proficiency of students of this college in the various departments of instruction, is ascertained by means of examinations only. These take place at the end of each term, and are conducted in writing. The results are estimated on a scale of one hundred. The merit of the rhetorical and other exercises are reduced to the same scale at the end of each term. A minimum mark of 75 per cent. in each study and exercise is necessary to "pass."

REGULATIONS.

Students of this college are expected to attend the morning assembly, and are required to be present when appointed to deliver public rhetorical exercises.

Absentees from lectures, recitations and other duties, report their excuses to the professors concerned. Three unexcused absences in any term debar a student from the examination in any department of instruction.

No student may have less or more than fifteen hours* of work per week, unless by consent of the Faculty; and no member of this college can become a candidate for graduation in another department or college, without leave of of the Faculty first obtained.

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*Analytical Chemistry, and laboratory work in general, require "double hours."

The College of Mechanic Arts.

THE COLLEGE OF MECHANIC ARTS.

THE FACULTY.

Professors	THOMPSON,	WINCHELL,
	RHAME,	PECKHAM,
	MARSTON,	MR. PECK,

The President.

STUDENTS, 1876-7.

SENIOR YEAR—*Mr.* PARDEE.

JUNIOR YEAR—*Messrs.* BUSHNELL, TAYLOR.

ADMISSION.

Applicants who have completed the Scientific Course of the Collegiate Department, are entitled to admission to the Junior Class without further examinations. Other applicants, if candidates for graduation, must pass satisfactory examinations in all the studies of that course. Applicants for special studies in this college are admitted to the classes, if competent, in the judgment of the professors concerned, to receive the instruction. Mechanics and others who have not time to take a full course, but have only a few months of the year at their disposal, will be admitted to SPECIAL STUDIES and given free instruction in Drawing, and directed in such other work as may be most profitable in the time at their command.

OBJECT.

The aim of the instruction given in this college is to lay a broad and solid foundation in Mathematics, Mechanics and Drawing, so that with the practice in field, shop and office work given to the students in the respective courses, they shall be fitted for immediate usefulness upon graduation, and after a moderate amount of subsequent practice and experience, be capable of taking charge of important works.

COURSES OF STUDY.

Three regular undergraduate courses have been organized upon the following data:

1. There are fifteen lectures or recitations per week, besides drawing, field and shop work, and the rhetorical and other exercises.
2. As a general rule, there are ten hours per week of prescribed work, and five of elective.
3. The electives are chosen from corresponding years and terms of this and other colleges.

JUNIOR YEAR.

Term.	Civil Engineering.	Mechanic'l Engineering	Architecture.
I.	1. Higher Surveying and Drawing.	1. Machinery and Drawing.	1. History of Architecture. Architectural Drawing.
	2. Differential Calculus.	2. Differential Calculus.	2. Differential Calculus.
	3. History of Civilization (3 Comparative Philology(2 *or other Elective.*	3 History of Civilization (3 Comparative Philology(2 *or other Elective.*	3. History of Civilization (3 Comparative Philology(2 *or other Elective.*
II.	1. Mechanics and Drawing.	1. Mechanics, and Drawing.	1. Mechanics and Drawing.
	2. Integral Calculus.	2. Integral Calculus.	2. Integral Calculus.
	3. Mineralogy, *or other Elective.*	3. Mineralogy, *or other Elective.*	3. Mineralogy. *or other Elective.*
III.	1. Geodesy and Stereotomy.	1. Motors and Stereotomy.	1. Constructions, and Stereotomy.
	2. Theory of Equations.	2. Theory of Equations.	2. Theory of Equations.
	3. Geology, *or other Elective.*	3. Geology, *or other Elective.*	3. Geology, *or other Elective.*

SENIOR YEAR.

TERM.	CIVIL ENGINEERING.	MECHANIC'L ENGINEERING	ARCHITECTURE.
I.	1. Field Engineering,—*Railway Work with Drawing.*	1. Machinery, *with Drawing.*	1. Architectural Designing, *with Drawing.*
	2. Applied Mechanics,—(*Strength and Stress of Materials*).	2. Applied Mechanics,—(*Strength and Stress of Materials.*)	2. Applied Mechanics,—(*Strength and Stress of Materials.*)
	3. Practical Astronomy.	3. Practical Astronomy.	3. Practical Astronomy, *or other Elective.*
II.	1. Engineering Structures—(*Framing, Bridges, &c.*)	1. Mechanic'l Constr'ctions	1. Engineering Structures,—(*Framing, Roofs, &c.*)
	2. Practical Physics.	2. Practical Physics.	2. Practical Physics.
	3. Civil Government, &c., *or other Elective.*	3. Civil Government, &c., *or other Elective.*	3. Civil Government, *or other Elective.*
III.	1. Building Materials,—(*Woods, Stones, Bricks, Mortars, &c.*	1. Building Materials,—(*Woods, &c.*)	1. Building Materials,—(*Woods, &c.*)
	2. Analytical Mechanics.	2. Analytical Mechanics.	2. Professional Practice.
	3. Political Economy, *or other Elective.*	3. Political Economy, *or other Elective.*	3. Political Economy, *or other Elective.*

For rhetorical exercises see page 40.

The third study in the foregoing courses is, as a general rule, elective. The one named is generally recommended to be taken, but the student is free to pursue any one of the authorized "electives."

Students who, by electing Analytical Chemistry in the Junior Year, are debarred from taking Mineralogy and Geology, may pursue these studies in the Senior Year, and have credit accordingly.

GRADUATION.

Students completing the foregoing courses to the satisfaction of the Faculty, are entitled respectively to receive the appropriate baccalaureate degrees, to wit: Bachelor of Civil Engineering, Bachelor of Mechanical Engineering, Bachelor of Architecture. For Masters' degrees see page 32.

Special students receive certificates for successful examinations in the branches pursued. Any person is entitled to undergo examination in any subject; and if such person pass in all the studies and exercises of any course, he is entitled to the appropriate degree.

EXAMINATIONS.

The proficiency of students in this college is ascertained by examinations conducted in writing, at the close of each term. These are estimated on a scale of one hundred. The marks for rhetorical and other exercises are reduced to the same scale at the close of each term. A minimum of 75 per cent. in each study, and exercise, is necessary to "pass."

METHODS OF INSTRUCTION.

Instruction in the several subjects pertaining to Civil and Mechanical Engineering and Architecture, is given by text-books, lectures, reading in the general library, and practical exercises; the theory being applied in the solution of practical problems and the construction of original drawings.

The college possesses a good compass, transit instrument, level, and a variety of measures; ample opportunity is afforded to become familiar with their use in actual field operations.

Descriptive Geometry taught in the Collegiate Department, preparatory to several studies in the different courses in this college, is illustrated by means of a full set of beautiful models made by Schrœder of Darmstadt, Germany. Together with these were imported several models of roofs and bridges by the same maker, to serve as guides to students in Architecture and Bridge Building, who, to fix the principles learned in the class room, are required to make trusses and other constructions.

A beginning has been made in fitting up a shop for the accommodation of students in Mechanical Engineering. The University possesses a lathe with the necessary tools, to which additions will be made as fast as practicable.

Field practice is a portion of the regular course in Civil Engineering. The classes in Surveying are drilled in the actual work of lotting out and measuring land, as well as in the solution of various geometrical and trigonometrical problems, from data taken by members of the classes themselves. The class in Railroad Engineering have practice in laying out curves, taking levels, cross-sectioning, staking out; in fact in all the work of locating a railroad line, from the preliminary survey up to the point of actual construction.

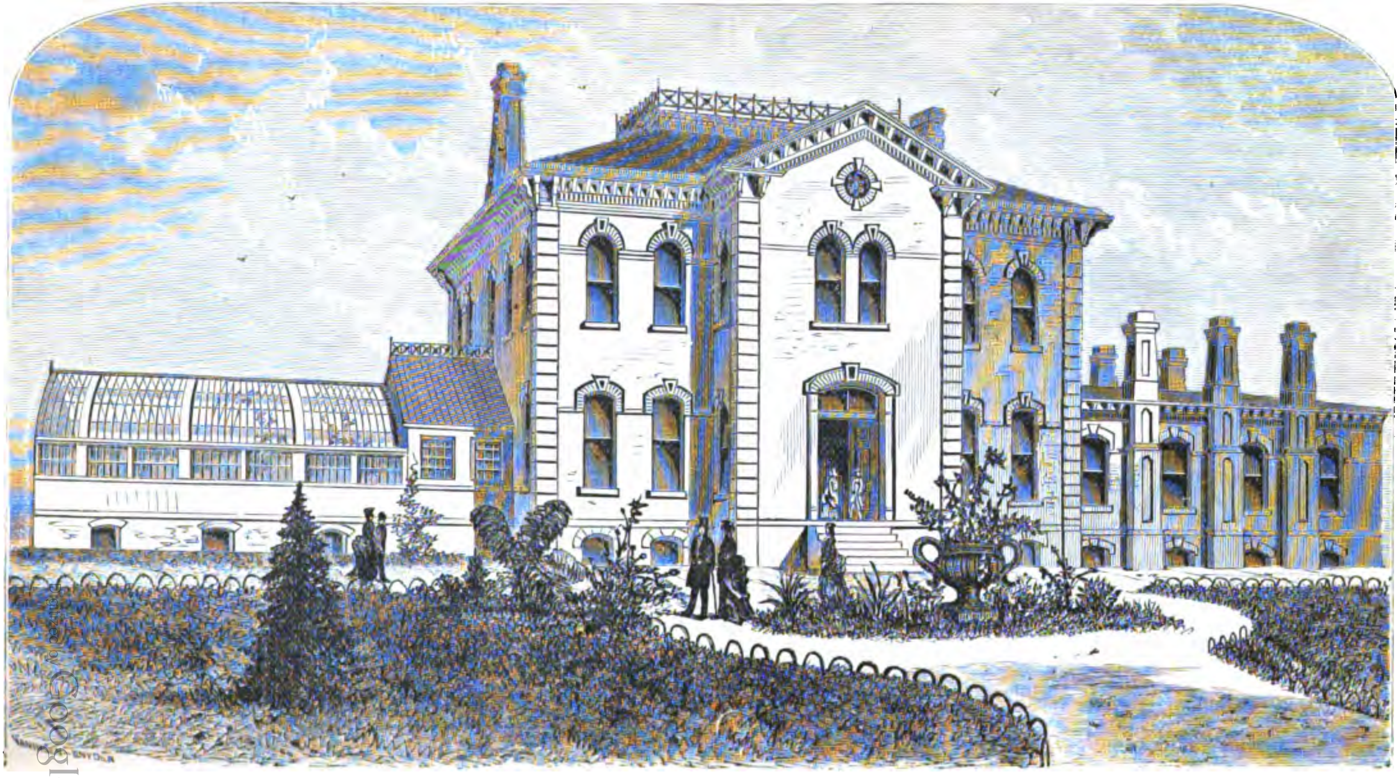
REGULATIONS.

Students of this college are expected to attend the morning assembly, and are required to be present when appointed to deliver public rhetoricals.

Absentees from lectures, recitations, and other duties, render excuses to the professors concerned. Five unexcused absences in any term debar from the examinations in that department of instruction.

No student may have more or less than 15 hours work per week, without leave of the Faculty.

No student of this college can become a candidate for a degree in another college, without leave of the Faculty first obtained.



COLLEGE OF AGRICULTURE OF THE UNIVERSITY OF MINNESOTA.

The College of Agriculture.

THE COLLEGE OF AGRICULTURE.

THE FACULTY.

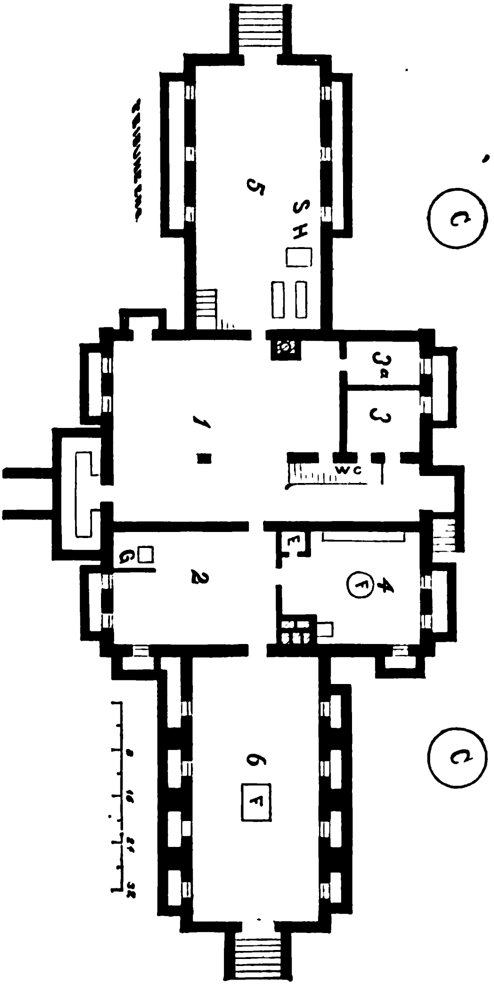
Professors WINCHELL,
PECKHAM,
MARSTON,
LACY, (Secretary.)
The President.

FACILITIES FOR INSTRUCTION.

Students in the College of Agriculture receive the benefit of the library and apparatus of the University as well as of those belonging to this college. The whole may be enumerated as follows:

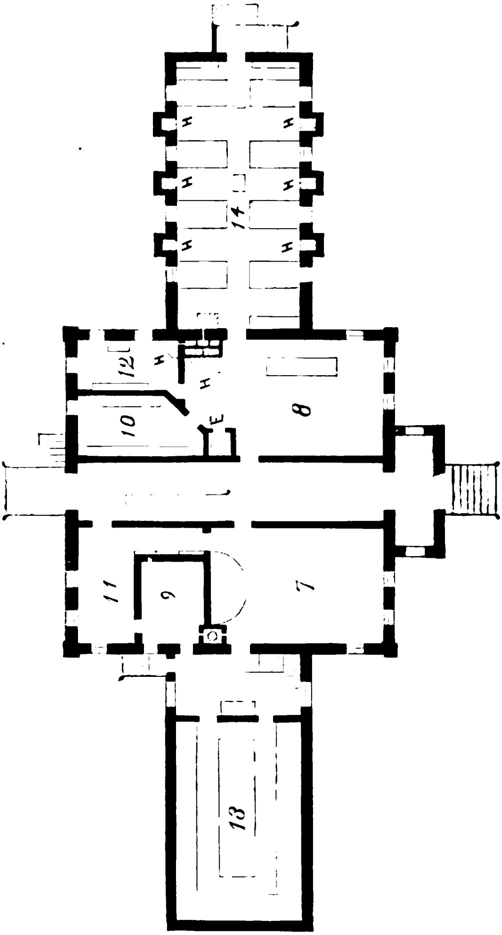
(1) General Library of the University, containing nearly 12,000 volumes. (2) Special Library of Agriculture, containing upwards of 100 volumes. (3) General Museum of the University. (4) Museum of Technology. (5) Museum of Agriculture. (6) Chemical and Physical laboratories. (7) Drawing Rooms. (8) Engineers and Surveyor's instruments. (9) A Plant House operated with special reference to purposes of instruction. (10) An Experimental Farm of 120 acres, on which are illustrated the principles taught in the class room.

The accompanying cut of the Agricultural College building has been kindly presented by the Hon. Frederick Watts, U. S. Commissioner of Agriculture. The following floor plans show the disposition of the rooms:



BASEMENT FLOOR.

4, Assay and Furnace Room; 3 and 3a, Cloak Rooms; remaining rooms, storage; C, C, Cisterns; E, Elevator; G, Gas Machine; H, Hot Water Boiler for heating Plant House.



MAIN FLOOR.

8, Class Room, Chemistry; 10, Apparatus Room; 12, Private Laboratory; 14, Students' Laboratory; E, Elevator; H, Water Bath and Drying Closet; 7, Class Room, Agriculture; 9, Janitor and Gardener; 11, Professor's Room; 13, Plant House.

SECOND FLOOR.

The second story (of the central part) is divided by the corridor into two rooms, each 22x52 feet and 14 feet high. The south room is a lecture room for Chemistry, Physics and Agriculture. The north room is devoted to the Museums of Agriculture and Technology.

SCOPE OF INSTRUCTION.

In AGRICULTURAL CHEMISTRY—A thorough study of Prof. Johnson's two books, "How Crops Grow," and "How Crops Feed," and a course in the analysis of soils, fertilizers, grains and fodders.

In ECONOMIC ENTOMOLOGY—General characters of insects; characters and peculiarities of those families containing useful or injurious members; together with a special study of the more important individuals of these families.

In HORTICULTURE—Relations of heat, light, moisture and food to plant growth, and the means of controlling their supply and intensity; plant houses, hot beds, &c.; soils and manures, and their manipulation; propagation of plants; grafting, budding, pruning, training, &c.; planting and transplanting; hybridizing, crossing and selecting; history, natural history, peculiarities and cultivation of the apple, pear, plum, and other large fruits; history, natural history, peculiarities and cultivation of the currant, strawberry, raspberry, cranberry, and other small fruits; kitchen gardening, market gardening, landscape gardening, and floriculture.

In ARBORICULTURE—Reasons for planting forest trees; what trees to plant; methods of propagating; care in the nursery; special culture of each species.

In PRACTICAL AGRICULTURE—History of Agriculture; brief review of chemical composition and physical properties of air and water as related to the soil and vegetation; the chemical constituents and practical classification of soils; properties, peculiarities, treatment and adaptations of each kind; reclamation and improvement of soils, including drainage, subsoiling, trenching, altering, fallowing, paring and burning, preparatory tillage, road-making, and fencing; manufacture, preservation and application of manures and stimulants; green manuring and irrigation; farm implements and machinery; history, natural history, growth, general management and sale of the different farm crops; the different breeds of farm animals, their characteristics and adaptations; breeding, rearing, feeding and management for the different purposes to which each is suited; selection and purchase of farms; the situation, relative position, size and internal arrangements of farm buildings, and their adaptation to the purposes for which intended.

In COMPARATIVE ANATOMY AND PHYSIOLOGY—Anatomy, physiology and hygiene of the domestic animals.

In VETERINARY MEDICINE AND SURGERY—Prevention and treatment of diseases and injuries of the domestic animals.

ECONOMICS—Farm accounts, grain raising, stock raising, dairying, general farming, fruit culture, market gardening and other specialties; relations and sequence of farm operations; legislation relating to agriculture; relations of agriculture to commerce, manufactures, labor, government, taxation, &c.

TEXT BOOKS AND BOOKS OF REFERENCE—Johnson's How Crops Grow and How Crops Feed; Caldwell's Agricultural Chemical Analysis; Thomas's American Fruit Culturist; Fuller's Small Fruit Culturist; Bryant's Forest Trees; Chaveau's Anatomy of the Domestic Animals; Gray's Systematic Botany; Darlington's American Weeds and Useful Plants; Downing's Landscape Gardening; Loudon's Horticulturist; Downing's Fruits and Fruit Trees of America; Harris's Insects Injurious to Vegetation; Entomological Reports; Morton's Cyclopedia of Agriculture; Stephens's Book of the Farm; Allen's New American Farm Book; Allen's American Cattle; Randall's Practical Shepherd; Harris on the Pig; Gamgee's Domestic Animals in Health and Disease; Stonehenge's The Horse in the Stable and the Field; Farmer's Veterinary Adviser.

I. THE REGULAR UNDERGRADUATE COURSE.

ADMISSION.

This course properly follows the Scientific Course of the Collegiate Department, but it may also follow either of the other courses of that department or the Elementary Course in Agriculture. Applicants who have completed any one of these courses are therefore entitled to admission to this college. Other applicants, if candidates for graduation, must be examined in the same or in equivalent studies.

OBJECT.

The studies and exercises of this course are designed to give to students already well instructed in liberal studies, and in general science, special training in the sciences related to Agriculture, including their practical application.

SCHEDULE.

JUNIOR YEAR.

FIRST TERM.	SECOND TERM.	THIRD TERM.
1. Agricultural Chemistry,—(*Composition of Plants and Soils.*)	1. Agricultural Chemistry,—(*Analysis of Soils.*)	1. Agricultural Chemistry. (*Analysis of Fertilizers and Foods.*)
2. Horticulture.	2. Meteorology and Climatology.	2. Arboriculture and Economic Entomology.
2. History of Civilization (3). Comparative Philology(2) *or other Elective.*	3. Mineralogy, *or other Elective.*	3. Geology, *or other Elective.*

SENIOR YEAR.

FIRST TERM.	SECOND TERM.	THIRD TERM.
1. Practical Agriculture,—(*Soils and Fertilizers.*	1. Practical Agriculture,—(*Farm Crops.*)	1. Practical Agriculture,—(*Farm Animals.*)
2. Comparative Anatomy and Physiology.	2. Veterinary Medicine and Surgery.	2. Economics,—(*Accounts, &c.*)
3. History of Philosophy, *or other Elective.*	3. Civil Government (4) and Correlation of the Sciences(1), *or other Elective.*	3. Political Economy, *or other Elective.*

For rhetorical exercises see page 40.

The third study named in the above table is the one recommended to be generally taken, but students are free to pursue any one of the other authorized electives. See page 34, top.

Students completing the above course to the satisfaction of the Faculty, are entitled to receive the degree of Bachelor of Agriculture.

II. THE ELEMENTARY COURSE.

STUDENTS, 1876-7.—Messrs. Griswold and Scofield.

This course agrees in the main with the Scientific Course of the Collegiate Department, but differs from it in the substitution of some natural sciences and practical instruction for languages and mathematics in the latter part. The requisites for admission are the same as for admission to the Collegiate Department.

ELEMENTARY COURSE.

CLASS.	FIRST TERM.	SECOND TERM.	THIRD TERM.
IV.	1. Natural Philosophy. 2. English Composition. 3. English.	1. Physical Geography. 2. Algebra. 3. English.	1. Physiology. 2. General History. 3. Elementary Astronomy.
III.	1. Mechanical Drawing. 2. Plane Geometry. 3. English, or German.	1. Elements of Geology. 2. Physics. 3. English, or German.	1. Botany. 2. Higher Algebra. 3. English, or German.
II.	1. General Chemistry. 2. Solid Geometry and Trigonometry. 3. English, or German.	1. Drawing. 2. Agricultural Chemistry, *How Crops Feed.* 3. English, or German.	1. Applied Chemistry. 2. Surveying and Farm Drainage. 3. English, or German.
I.	1. Mechanical Physics. 2. Horticulture. 3. English, or French.	1. Practical Agriculture. *Farm Crops.* 2. Meteorology and Climatology. 3. English, or French.	1. Practical Agriculture,—*Farm Animals.* 2. Zoology. 3. English, or French.

So far as practicable, the students of this department recite with the classes of the Collegiate Department. The same rhetorical, military and other exercises are required as in that department. Ancient languages are *optional.*

While the above schemes indicate when regular and systematic instruction in the different studies will be given, instruction in PRACTICAL agriculture and horticulture will be given at various times throughout the whole course. The farm and gardens will be made to afford every possible facility for observation and practice, and enough of the latter will be required of all regular students in this department to give them skill in the different operations of the farm and gardens.

III. SPECIAL COURSES.

While the above courses of study are provided for those who desire a systematic education in scientific Agriculture, the Board of Regents provide in their by-laws for the ADMISSION OF ANY PERSONS TO ANY CLASS, upon the sole condition that they appear to be competent to receive the instruction.

Under the authority of this by-law the following courses have been arranged. They are not designed in any way to limit the advantages offered by the by-law. Any person who can read and write the English language, can enter either course without examination.

SPECIAL COURSES IN AGRICULTURE.

I.

For the Year 1877-8, beginning First Term Sept. 11, 1877.

FIRST TERM.	SECOND TERM.	THIRD TERM.
1. Agricultural Chemistry,—*How Crops Grow.*	1. Agricultural Chemistry,—*How Crops Feed.*	1. Farm Drainage and Farm Accounts.
2. Agricultural Chemical Analysis.	2. Agricultural Chemical Analysis.	2. Agricultural Chemical Analysis.
3. Natural Philosophy.	3. Physical Geography.	3. Physiology.

II.

For the Year 1877-8, beginning Second Term Dec. 11, 1877.

SECOND TERM.	THIRD TERM.
1. Agricultural Chemistry,—*How Crops Grow.*	1. Agricultural Chemistry,—*How Crops Feed.*
2. Agricultural Chemical Analysis.	2 Agricultural Chemical Analysis.
3. Physical Geography.	3. Physiology.

IV. THE FARMERS' LECTURE COURSE.

This course is specially designed to meet the wants of farmers and others who desire scientific and practical information relating to their calling, and whose business prevents them from spending an entire year away from home. These lectures will extend through ten weeks, two being on each of five days in the week, while exercises equivalent to a third lecture will be given in practice in the Chemical Laboratory, in Drawing, in Farm Accounts, or in reading in the library.

The instruction given will be both scientific and practical. The former will include Agricultural Chemistry, Botany, Physiology, Entomology, Geology, and Mechanics, and will be given by those professors who have these departments in charge in the University. The latter will include the Improvement of Soils by Drainage, Subsoiling, Trenching, Plowing, Rotations, Manures, &c., Grain Raising, Stock Raising, Dairying, Fruit Culture, Forest Culture, Farm Accounts, and Rural Architecture, and will be given by the Professor of Agriculture, and by men who have become successful and noted in these special departments.

No fees, examinations, or other conditions will be imposed for admission to this course, but its advantages will be ABSOLUTELY FREE TO ALL.

NOTICE.—The above course of lectures will be given next year (1877-8), provided that by the first day of November, 1877, thirty persons not members of any class in the University shall have signified to Professor Chas. Y. Lacy heir intention to attend this course.

APPENDIX.

Important Act of the Legislature, By-Laws and Resolutions of the Board of Regents, Commencement programme, June 1, 1877; Bulletin of June 1, 1876; Almanac for 1877-8.

I. Extract from the Laws of Minnesota, 1876.

CHAPTER LXXX.

An act to amend Chapter I, of the laws of 1868, entitled An Act to re-organize and provide for the government and regulation of the University of Minnesota.

Be it enacted.

SECTION 1. That Chapter I. of the Laws of 1868 * * * be amended by adding thereto the following sections:

"SECTION 17. It shall be unlawful for any person to sell or dispose of any spiritous, vinous or malt liquors within a distance of three-quarters of a mile of the University of Minnesota. as now located in the city of Minneapolis."

"SECTION 18. Any person violating the provisions of the foregoing section, shall. upon conviction, be fined not less than fifty nor more than one hundred dollars for every such offense, or shall be imprisoned in the county jail in the county of Hennepin for a period not less than two nor more than twelve months."

SECTION 2. This act shall take effect and be in force from and after its passage.

Approved March 3, 1876.

II. By-Laws of the Board of Regents for the government of the University.

1. Amendment to Article III. of Chapter I.—Substitute for Section 1.

SECTION 1. The University year shall begin in September and end in June, and shall be divided into three terms, to be designated as the First, Second and Third Terms. The First Term shall begin on the Tuesday next before the fifteenth day of September, and continue thirteen weeks; the Second Term shall begin on the Tuesday following the end of the First Term, and continue twelve weeks: the Third Term shall begin on the Tuesday following the close of the Second Term, and continue thirteen weeks,

Adopted May 9, 1876.

2. Amendment to Article III. of Chapter I.—New Sections.

SECTION 11. No student of any college shall become a candidate for a degree in another college of the University, unless by consent first obtained of the faculty of the college of which he is a member.

SECTION 12. Whenever any faculty of the University is satisfied that any student is not fulfilling, and is not likely to fulfil the purpose of his attendance upon the University, or is for any cause unfit to remain a member of the same, the president shall so inform his parent or guardian, and if, after reasonable time allowed, the said student shall not have been withdrawn, he may be dismissed by order of the General Faculty.

Adopted May 21, 1877.

3. Amendment to Chapter II.—New Article.

"ARTICLE V. The degrees of Master of Arts, Master of Science, and Master of Literature, shall be conferred, respectively, upon Bachelors of Arts, Bachelors of Science, and Bachelors of Literature, of this University, or of any reputable university or college, who shall, upon examination, not sooner than two years after attaining a first degree, show special proficiency in some appropriate classical, scientific, or literary studies prescribed by the Faculty, and shall present a satisfactory thesis to the Faculty: the Faculty of this College shall have power to establish the regulations needful and proper to give effect to this article.

Adopted May 21, 1877.

4. Amendment to Chapter IV.—New Article.

"ARTICLE V. The degrees of Civil Engineer, Mechanical Engineer, and Architect shall be conferred, respectively, upon Bachelors of Civil Engineering, Bachelors of Mechanical Engineering, and Bachelors of Architecture, of this University or of any reputable university or college, who shall, upon examination, not sooner than two years after attaining a first degree, show special proficiency in some appropriate branch of professional study prescribed by the Faculty, and shall present a satisfactory thesis to the Faculty: the Faculty of this College shall have power to establish all regulations needful and proper to give effect to this article.

Adopted May 21, 1877.

III. Resolutions of the Board of Regents.

Resolved, That the General Faculty are hereby authorized to cause examinations of candidates for admission to the Collegiate Department to be held in [certain] cities and villages of the State, at such times as may be most feasible and convenient. and in such manner as they shall deem proper; and the treasurer is authorized to pay the necessary expenses upon proper vouchers. * * * * *
Adopted April 3, 1873.

Resolved. That the true intent of Article I. of Chapter III. of the by-laws for the government of the University of Minnesota, organizing the Faculty of the College of Agriculture is, that the said Faculty shall embrace those officers only who are employed in and for the regular or "University" Course of instruction in said College.
Adopted May 9, 1876.

Resolved, That the General Faculty may, in their discretion, order a recess of all University work to include Christmas and New Year and the days intervening: provided that the number of weeks in the University year, and in each term thereof, be not diminished.
Adopted May 21, 1877.

Resolved, That applicants for admission who may come from schools and districts where Latin is not taught. and who declare their intention to take the full course in Latin, shall be allowed to begin it with the Fourth Class.
Adopted May 21, 1877.

◆

IV. COMMENCEMENT PROGRAMME.

JUNE 7, A. D. 1877.

MUSIC—Overture, "Light Cavalry," *F. von Suppe*.
PRAYER—By Rev. Professor Boardman, D. D. of Chicago.
MUSIC—Selection, "Huguenots," *Meyerbeer*.

1. †SALUTATORY—Education,—who needs it? - - - - - - Mr. Currie.
2. ORATION—The Crosses of Culture, - - - - - - - Mr. Campbell.
3. ORATION—Enthusiasm necessary to Success, - - - - - Mr. Childs.
4. ORATION—Theory and Practice in Politics, - - - - Mr. Frank Eustis.

MUSIC—Waltz, "Thousand and One Nights," *Strauss*.

5. ORATION—Commercial Speculation, - - - - - - - Mr. Fred Eustis.
6. ESSAY—Art as a Discipline, - - - - - - - - - - Miss Fuller.
7. ORATION—The Turk in Europe, - - - - - - - - Mr. Hendrickson.
8. ORATION—The Native Races of America, - - - - - - Mr. Kassube.

MUSIC—"Pilgrim Chorus," from Tannhaeuser. *Wagner*.

9. ORATION—The Emancipation of Labor, - - - - - - Mr. Mahoney.
10. ORATION—Truthfulness in Architecture, - - - - - - - Mr. Pardee.
11. ORATION—National Perpetuity, - - - - - - - - - Mr. Perkins.
12. ORATION—Culture and National Greatness, - - - - - - Mr. Pribble.

MUSIC—"Aria" from Regoletto, *Verdi*.

13. ESSAY—True Power, - - - - - - - - - - - Miss Rollit.
14. ORATION—Motive Power, - - - - - - - - - - - Mr. Savidge.
15. ORATION—What is Your Life Worth? - - - - - - - Mr. Welles.
16. † VALEDICTORY—Dreams, - - - - - - - - - Miss Campbell.

MUSIC—"Selection," *E. Beyer*.
CONFERRING OF DEGREES.
MUSIC—March, *Downing*.
BENEDICTION.

†By election of the Class.

V. EXTRACT FROM BULLETIN, JUNE 1, 1876.

In common with all colleges and universities of the Northwest, the University of Minnesota has been obliged to carry on a large amount of preparatory instruction. This instruction, however, has been regarded, from the first, by the Board of Regents and the General Faculty, as a temporary arrangement. It is desired to discontinue the whole of it as soon as may be possible without detriment, as authorized by law. One year's preparatory work was dropped off two years ago, and the Board of Regents have until very lately expected to discontinue a second year from and after the University year now passing (June 22d, 1876). Indeed, they had formally resolved to do so, and the Calendar for the year 1874-75 contained an emphatic announcement of that resolution. Since the publication of that document, however, the Board of Regents and the General Faculty have had occasion to make a survey of the field of the higher education in Minnesota. (See Report of the Board of Regents for 1875, pp. 45-49.) The result of this view may be seen in the following preamble and resolutions adopted by the Board on the 10th day of May, 1876:

WHEREAS, The colleges and universities of the northern States of the Mississippi Valley are, as a general rule, obliged to carry on preparatory classes or departments, and only one State University—that of Michigan—has, under favorable circumstances, been able wholly to dispense with preparatory work; and

WHEREAS, the high schools and acadamies of the State generally have not as yet been developed so far and in such a manner as to offer suitable preparatory training to the youth of the State desiring to enter the University; and

WHEREAS, The Legislature has not yet made any provision by law for the encouragement of preparatory schools in our State: and

WHEREAS, A premature discontinuance of elementary instruction would be detrimental to that high grade of scholarship toward which the Board of Regents desire the University steadily to advance; therefore

Resolved. That the time heretofore named for the discontinuance of the Fourth Class of the Collegiate Department be, and the same hereby is, extended until further notice by this Board.

Resolved, further, That, in order to encourage preparatory work in the high schools and academies of the State, and co-operation by them with the University, no applicant shall be admitted to the Collegiate Department, to pursue the studies of any regular class or course, who is entitled to receive, and can actually receive the same instruction, in substance, in the public schools of the school district in which he legally resides.

The attention of principals of high and graded schools is particularly directed to the second resolution, and their friendly co-operation in giving it effect is cordially solicited. Correspondence, either in regard to the general operation of the principle or its application to particular cases, is desired by the Faculty, and will receive prompt attention.

The action here announced must not be construed as an abandonment of the settled policy of the University regarding preparatory instruction, which is, to relegate it as fast and as soon as possible to the secondary schools of the State.

The plan adopted, it is believed, will be found equitable and satisfactory. Those young persons who cannot obtain their preparation elsewhere in the public schools of the State, are welcomed to the free instruction of the University. Public School Boards and officers will not be obliged to see their higher classes depleted by the premature departure of scholars to finish their preparation in the elementary classes of the University.

SEPTEMBER, 1877. (*First Term.*)

1 Sat.	
* * *	
11 Tues.	YEAR 1877-8 BEGINS. General Faculty meet 9 A. M. Special Faculties meet on call.
12 Wed.	Entrance Examinations, 9 A. M.
13 Thurs.	Entrance Examinations continue.
14 Fri.	Examinations for advanced rank.
15 Sat.	Examinations concluded. 1 w.
16 Sun.	
17 Mon.	Literary Societies meet 7:30 P. M.
18 Tues.	RECITATIONS BEGIN.
19 Wed.	Library opens.
20 Thur.	
21 Fri.	
22 Sat.	. . . . 2 w.
23 Sun.	
24 Mon.	
25 Tues.	Military instruction begins.
26 Wed.	General Faculty, 3 P. M.
27 Thur.	
28 Fri.	
29 Sat.	. . . . 3 w.
30 Sun.	

OCTOBER, 1877.

1 Mon.	
2 Tues.	
3 Wed.	
4 Thur.	
5 Fri.	
6 Sat.	. . . . 4 w.
7 Sun.	
8 Mon.	
9 Tues	
10 Wed.	General Faculty, 3 P. M.
11 Thur.	
12 Fri.	
13 Sat.	. . . . 5 w.
14 Sun.	
15 Mon.	
16 Tues.	
17 Wed.	
18 Thur.	
19 Fri.	
20 Sat.	. . . . 6 w.
21 Sun.	
22 Mon.	
23 Tues.	
24 Wed.	General Faculty, 3 P. M.
25 Thur.	
26 Fri.	
27 Sat.	. . . . 7 w.
28 Sun.	
29 Mon.	
30 Tues.	
31 Wed.	

NOVEMBER, 1877. (*First Term.*)

1 Thur.	
2 Fri.	
3 Sat.	. . . . 8 w.
4 Sun.	
5 Mon.	
6 Tues.	
7 Wed.	General Faculty, 3 P. M.
8 Thur.	
9 Fri	
10 Sat.	. . . . 9 w
11 Sun.	
12 Mon.	
13 Tues.	
14 Wed.	
15 Thur.	
16 Fri.	
17 Sat.	. . . . 10 w
18 Sun.	
19 Mon.	
20 Tues.	
21 Wed.	General Faculty, 3 P. M.
22 Thur.	
23 Fri.	
24 Sat.	. . . . 11 w
25 Sun.	
26 Mon.	
27 Tues.	
28 Wed.	
29 Thur	NATIONAL THANKSGIVING DAY.
30 Fri.	

DECEMBER, 1877. *First Term ends—Second Term begins.*

1 Sat.	. . . . 12 w.
2 Sun.	
3 Mon.	
4 Tues.	Term Examinations,—all Depts.
5 Wed.	
6 Thur.	FIRST TERM ENDS.
7 Fri.	
8 Sat.	13 w.
9 Sun.	
10 Mon.	
11 Tues.	SECOND TERM BEGINS. G.F. 9 A.M.
12 Wed.	RECITATIONS BEGIN.
13 Thur.	
14 Fri.	
15 Sat.	II. Class Declamations, and [1 w.
16 Sun.	[IV. Class Readings begin.
17 Mon.	
18 Tues.	Fac. Coll. Agr. meet. 3 P.M.
19 Wed.	Fac. S. L. & A. meet. 3 P.M.
20 Thur.	Fac. Mech. Arts meet. 3 P.M.
21 Fri.	
22 Sat.	. . . . 2 w.
23 Sun.	
24 Mon.	Recess *to* January 2d.
25 Tues.	CHRISTMAS DAY.
26 Wed.	
27 Thur.	
28 Fri.	
29 Sat.	
30 Sun.	
31 Mon.	

JANUARY, 1878. (*Second Term.*)

1	Tues.	NEW YEAR'S DAY.
2	Wed.	Recitations resumed Gen. Fac.
3	Thur.	[meet. 3 P. M
4	Fri.	
5	Sat.	. . . . 3 w.
6	Sun.	
7	Mon.	
8	Tues.	
9	Wed.	
10	Thur.	
11	Fri.	
12	Sat.	. . . . 4 w.
13	Sun.	
14	Mon.	
15	Tues.	
16	Wed.	General Faculty, 3 P. M.
17	Thur.	
18	Fri.	
19	Sat.	. . . . 5 w.
20	Sun	
21	Mon.	
22	Tues.	
23	Wed.	
24	Thur.	
25	Fri.	
26	Sat.	. . . . 6 w.
27	Sun.	
28	Mon.	
29	Tues.	
30	Wed.	General Faculty, 3 P. M.
31	Thur.	

FEBRUARY, 1878. (*Second Term.*)

1	Fri.	
2	Sat.	. . . . 7 w.
3	Sun.	
4	Mon.	
5	Tues.	
6	Wed.	
7	Thur.	
8	Fri.	
9	Sat.	Last Day for Jun. Ex. parts. 8 w.
10	Sun.	
11	Mon.	
12	Tues.	
13	Wed.	General Faculty, 3 P. M.
14	Thur.	
15	Fri.	
16	Sat.	. . . . 9 w.
17	Sun.	
18	Mon.	
19	Tues	
20	Wed.	
21	Thur.	
22	Fri.	WASHINGTON'S BIRTHDAY,
23	Sat.	. . . . 10 w.
24	Sun.	
25	Mon.	
26	Tues.	
27	Wed.	General Faculty, 3 P. M.
28	Thur.	

MARCH, 1878.
(*Second Term ends—Third Term begins.*)

1	Fri.	
2	Sat.	. . . . 11 w.
3	Sun.	
4	Mon.	
5	Tues.	Term Examinations begin.
6	Wed.	JUNIOR EXHIBITION, 7:30 P. M.
7	Thur.	SECOND TERM ENDS.
8	Fri.	
9	Sat.	. . . . 12 w
10	Sun.	
11	Mon.	
12	Tues.	THIRD TERM BEGINS. Gen. Fac.
13	Wed.	RECITATIONS begin. [9 A. M.
14	Thur.	
15	Fri.	
16	Sat.	I. Class Declamations and [1 w
17	Sun.	[III. Class Elocution begin.
18	Mon.	
19	Tues.	
20	Wed.	Faculty Coll. Agr. meet, 3 P. M.
21	Thur.	Faculty S. L. and A. meet, 3 P. M.
22	Fri.	Fac. Coll. Mec. Arts meet, 3 P. M.
23	Sat.	. . . . 2 w.
24	Sun.	
25	Mon.	
26	Tues.	Last Day for Senior briefs.
27	Wed.	General Faculty, 3 P. M.
28	Thur.	
29	Fri.	
30	Sat.	. . . . 3 w.
31	Sun.	

APRIL, 1878.
(*Third Term.*)

1	Mon.	
2	Tues.	
3	Wed.	
4	Thur.	
5	Fri.	
6	Sat,	. . . . 4 w.
7	Sun.	
8	Mon.	
9	Tues.	
10	Wed.	General Faculty, 3 P. M.
11	Thur.	
12	Fri.	
13	Sat.	. . . . 5 w.
14	Sun	
15	Mon.	
16	Tues,	
17	Wed.	
18	Thur.	
19	Fri.	GOOD FRIDAY.
20	Sat.	. . . . 6 w.
21	Sun.	
22	Mon.	
23	Tues.	
24	Wed.	General Faculty, 3 P. M.
25	Thur.	
26	Fri.	
27	Sat.	. . . . 7 w.
28	Sun.	
29	Mon.	
30	Tues.	Last day for copy of Commence- [ment parts.

	MAY. 1878. (*Third Term.*)
1 Wed	
2 Thur.	
3 Fri.	
4 Sat.	. . . . 8 w.
5 Sun.	
6 Mon.	
7 Tues.	
8 Wed.	General Faculty, 3 P. M.
9 Thur.	
10 Fri.	
11 Sat.	. . . . 6 w
12 Sun.	
13 Mon.	
14 Tues.	Last day for final copy of Commencement parts.
15 Wed.	
16 Thur.	
17 Fri.	
18 Sat.	. . . . 10 w.
19 Sun	
20 Mon.	
21 Tues.	
22 Wed.	General Faculty, 3 P. M.
23 Thur.	
24 Fri.	
25 Sat.	Senior work closes. 11 w.
26 Sun.	
27 Mon.	
28 Tues.	
29 Wed.	Library closes.
30 Thur.	
31. Fri.	Examinations—all departments.

	JUNE, 1878, (*Third Term.*
1 Sat.	Examinations continue. 12 w.
2 Sun.	
3 Mon.	Address before Literary Societies, 8 P. M.
4 Tues.	Entrance Examinations begin.
5 Wed.	Annual Meeting Society of Alumni; Address at 8 P. M.
6 Thur.	THE COMMENCEMENT.
7 Fri.	THE VACATION begins.
	University Year 1878-79 will begin September 10, 1878.

NOTICE.—The Board of Instruction for 1877-8 remains unchanged. Lieut J. A. LUNDEEN, U. S. A., will continue to give instruction in the departments of Mathematics and Astronomy, and if necessary will teach the Scandinavian languages.

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